Event Messages for Routers and BNX Platforms

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About This Guide

If you are an experienced network administrator responsible for operating and managing Bay Networks routers or the Bay Networks Backbone Node Switch (BNX™) software, use this guide. It describes how to use event messages to determine the status of your router or BNX platform.

Event Messages for Routers and BNX Platforms offers

- An overview of events (see Chapter 1)
- A list of all event messages arranged alphabetically by entity (Chapters 2 through 9)

Software Suites

Routing and Switching software is available in the following suites:

- The *System Suite* includes IP routing, 802.1 Transparent Bridge, Source Route Bridge, Translation Bridge, SNMP Agent, Bay Networks HDLC, PPP, OSPF, EGP, BGP, and basic DLSw.
- The *LAN Suite* includes DECnet Phase 4, AppleTalk Phase 2, OSI, VINES, IPX, and ATM DXI, in addition to the System Suite.
- The *WAN Suite* includes ATM DXI, Frame Relay, LAPB, and X.25, in addition to the System Suite.
- The *Corporate Suite* includes the System, LAN, and WAN suites in their entirety.
- The *ARE ATM Suite* provides RFC 1483 and 1577 compliance, ATM UNI 3.0 signaling, in addition to the LAN Suite.
- The *ARE VNR Corporate Suite* provides ATM Forum LAN Emulation, in addition to the ARE ATM Suite and Corporate Suite.

- The *BNX Suite* includes IP Routing, SNMP Agent, Bay Networks HDLC, PPP, OSPF, EGP, BGP, File-Based Performance Statistics, Frame Relay switching, and Frame Relay billing, and selected components from the Corporate, ARE ATM, and ARE VNR Corporate suites.

Availability of features and functionality described in this guide depends on the suites you are using.

Audience

Written for network managers and technicians, this guide assumes that you have a working knowledge of TCP/IP networking, and have some familiarity with network management principles concerning the MIB, SNMP, system event messaging, file system and configuration management.

Before You Begin

For information on using the Events Manager to view BayNetworks event messages, see *Managing Routers and BNX Platforms*.

If you use Technician Interface, see *Using Technician Interface Software* for information on viewing Bay Networks event messages.

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Conventions

This section describes the conventions used in this guide.

angle brackets (< >)	Indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command. Example: if command syntax is **ping** *<ip_address>*, you enter **ping 192.32.10.12**

arrow character (→)	Separates menu and option names in instructions. Example: Protocols→AppleTalk identifies the AppleTalk option in the Protocols menu.
bold text	Indicates text that you need to enter and command names in text. Example: Use the **dinfo** command.
brackets ([ ])	Indicate optional elements. You can choose none, one, or all of the options.
italic text	Indicates variable values in command syntax descriptions, new terms, file and directory names, and book titles.
quotation marks (“ ”)	Indicate the title of a chapter or section within a book.
`screen text`	Indicates data that appears on the screen. Example: `Set Bay Networks Trap Monitor Filters`
ellipsis points	Horizontal (. . .) and vertical (⋮) ellipsis points indicate omitted information.
vertical line (|)	Indicates that you enter only one of the parts of the command. The vertical line separates choices. Do not type the vertical line when entering the command. Example: If the command syntax is **show at routes** | **nets**, you enter either **show at routes** or **show at nets**, but not both.

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Acronyms

AARP	AppleTalk Address Resolution Protocol
ACE	Advanced Communications Engine
ACK	acknowledgment
AIS	Alarm Indication Signal
AMI	Address Mark Inversion
ANI	Automatic Number Identification
ARP	Address Resolution Protocol
AS	Autonomous System
ASN	Access Stack Node
ATM	Asynchronous Transfer Mode
AURP	AppleTalk Update-based Routing Protocol
B8ZS	Binary Eight Zeros Suppression
BCN	Backbone Concentrator Node
BDR	Backup Designated Router
BGP	Border Gateway Protocol
BOFL	Breath of Life
BOD	Bandwidth on Demand
BOOTP	Bootstrap Protocol
BPDU	Bridge Protocol Data Unit
CA	Communications Equipment Available
CCITT	Consultative Committee on International Telegraph and Telephone
CIC	Connect Incoming Call
CIS	Card Information Structure
CN	Concentrator Node
COM	communications port
CPE	customer premises equipment
CPU	Central Processing Unit
CRN	Call Request with Number
CRS	Configuration Report Server
CSMA/CD	Carrier Sense Multiple Access/Carrier Detect

CSU/DSU	Channel Service Unit/Data Service Unit
CTS	Clear To Send
DCE	Data Communications Equipment
DDN/PDN	Defense Data Network/Public Data Network
DIC	Disconnect Incoming Call
DLCI	Data Link Connection Identifier
DLCMI	Data Link Control Management Interface
DLS	See DLSw
DLSw	Data Link Switching
DMAP	Direct Memory Access Processor
DNIS	Dialed Number Identification Service
DOS	Disk Operating System
DP	Data Path
DR	Designated Router
DS1E1	Multichannel T1/E1
DSR	Data Set Ready
DTE	Data Terminal Equipment
DTR	Data Terminal Ready
DUART	Dual Universal Asynchronous Receiver/Transmitter
DXI	Data Exchange Interface
EGP	Exterior Gateway Protocol
FDDI	Fiber Distributed Data Interface
FDL	Facility Data Link
FIFO	First-In-First-Out
FLOP	Floppy Disk Controller
FN	Feeder Node
FR	Frame Relay
FRE	Fast Routing Engine
FS	file system
GAME	Gate Access Management Entity
GFS	generic file system

HIMIB	Hardware Implemented MIB
HSN	History Serial Number
HSSI	High Speed Serial Interface
HUB	Access Node Repeater
HWF	Hardware Filter
IE	information element
IHU	I hear you
I/O	input/output
IDMA	Independent Direct-Memory Access
IMR	Integrated Multiport Repeater
IP	Internet Protocol
IPSO	See RIPSO
IPX	Internet Packet Exchange
ISDN	Integrated Services Digital Network
IS-IS	Intermediate System to Intermediate System
ISO	International Organization for Standardization
LAN	local area network
LAPB	Link Access Procedure Balanced
LB	Learning Bridge
LCP	Link Control Protocol
LCT	Link Confidence Test
LED	Light-Emitting Diode
LEM	Link Error Monitor
LER	link error rate
LL	low level
LLC	Logical Link Control
LMI	Local Management Interface
LN	Link Node
LNM	LAN Network Manager
LOADER	Dynamic Loader
LOF	Loss of Frame

LOS	Loss of Signal
LQR	Link Quality Report
MAC	media access control
MAU	Media Attachment Unit
MCT1	Multichannel T1
MIB	Management Information Base
MIR	Maximum Information Rate
MODEMIF	Modem Interface
MTU	Maximum Transfer Unit
NANP	North American Numbering Plan
NAK	negative acknowledgment
NBMA	Non-Broadcast Multi-Access
NCP	Network Control Program
NetBIOS	Network Basic Input-Output System
NMI	non-maskable interrupt
NML	Native Mode LAN
NIC	Network Information Center
NOVRAM	Non-Volatile Random Access Memory
NOV_SYNC	Non-Volatile Synchronization
NVFS	Non-Volatile File System
OOF	Out-Of-Frame
OSI	Open Systems Interconnection
OSPF	Open Shortest Path First
OUI	organizationally unique identifier
PAM	Physical Access Method
PAP	Password Authentication Protocol
PC	physical connection
PCAP	Packet Capture
PCM	Physical Connection Management
PCMCIA	Personal Computer Memory Card International Association
PDU	protocol data unit

PHY	Physical Level
PLCP	Physical Layer Convergence Protocol
PPP	Point-to-Point Protocol
PPX	Parallel Packet Express
PROM	Programmable Read-Only Memory
PTY	pseudo teletypewriter
PVC	permanent virtual circuit
QENET	Quad Ethernet
RARP	Reverse Address Resolution Protocol
RAI	Remote Alarm Indication
RAM	Random Access Memory
REM	Ring Error Monitor
RI	routing information
RIF	routing information field
RIP	Routing Information Protocol
RIPSO	Revised IP Security Option
RPC	remote procedure call
RPS	Ring Parameter Server
RTC	Real Time Clock
RTMP	Routing Table Maintenance Protocol
RUI	Remote User Interface
SAP	Service Access Point
SIP	SMDS Interface Protocol
SMDS	Switched Multimegabit Data Services
SMT	Station Management
SNAP	Subnetwork Access Protocol
SNI	Subscriber Network Interface
SNMP	Simple Network Management Protocol
SPAN	Spanning Tree
SQE	Signal Quality Error
SR	Source Routing

SRAM	Static Random Access Memory
SRM	Systems Resource Module
SRT	Source Routing Transparent
SSI	SMDS-to-Access Server Interface
STA	Statistical Thresholds and Alarms
SWSERV	Switched Access Services
SYNC	Synchronous
SYS	system
TBL	table
TCP	Transmission Control Protocol
TELNET	Telnet Server
TF	traffic filter
TFTP	Trivial File Transfer Protocol
TI_RUI	Technician Interface/Remote User Interface
TNC	Telnet Client
TTRT	Target Token Rotation Time
TTY	teletypewriter
UNI	User Network Interface
VC	virtual circuit
VINES	Virtual Networking System
WAN	wide area network
VBR	Variable Bit Rate
VCI	virtual circuit interface
VPI	virtual path interface
XMODEM	Xmodem/Ymodem
XNS	Xerox Network Systems
ZIP	Zone Information Protocol
XCVR	(Ethernet) Transceiver

Chapter 1
Overview

This chapter gives an overview of Bay Networks event messages and provides information on the following topics:

- Event message format
- Entities
- Severity levels
- SNMP trap format

Understanding Events and Traps

An *event* is something that happens to the operating status of a router or BNX. The router or BNX stores the event as a single entry in a memory-resident log.

A *trap* is simply an event that the router or BNX platform transmits to some external network device.

An *event message* provides a brief description of an event, along with the event code associated with that event. The event code is useful if you are using third-party network management software to view Bay Networks events. It is also useful when looking up events in this book.

This guide provides detailed descriptions of the Bay Networks event messages, along with recommended responses to these events.

Viewing Event Messages

You view the log file containing Bay Networks event messages using the Bay Networks network management software (Site Manager), the Bay Networks command-line interface (Technician Interface), or any compatible third-party network management software.

For information on viewing events using Site Manager or a compatible third-party network management software, see *Managing Routers and BNX Platforms*. For information on viewing events using the Technician Interface, see *Using Technician Interface Software*.

Event Message Format

Chapters 2 through 9 organize Bay Network event messages by entity, severity, and event code. A typical event description consists of six entries, as Table 1-1 shows.

Table 1-1. Event Message Format

Entry	Description
Entity Code/Event Code	The code assigned to the entity issuing the event and the code assigned to the event. Together, this pair uniquely identifies a Bay Network router or BNX platform event.
Decimal Identifier	The decimal equivalent of the 32-bit SNMP trap that the router or BNX platform transmits. Network management applications use this decimal identifier.
Severity	Fault, Warning, Information, or Trace.
Message	Text displayed in event log.
Meaning	Clarification of event message.
Action	Recommended user response to event (if necessary).

Entities

Events are always associated with a particular entity. An entity is the software that generates a message. Entities include Bay Networks software dedicated to the operation of a software service, such as TFTP and IP, and the GAME operating system. Table 1-2 lists the entities (both their abbreviations and full names) and associated entity codes.

Table 1-2. Entities

Entity	Description	Code
ACE	Advanced Communications Engine board	10
APPLETALK	AppleTalk protocol	36
APPN	Advanced Peer-to-Peer Networking protocol	86
ARP	Address Resolution Protocol	19
ATM	Asynchronous Transfer Mode	78
ATM_DXI	Asynchronous Transfer Mode/Data Exchange Interface protocol	49
ATM_LE	Asynchronous Transfer Mode LAN Emulation service	100
ATM_SIG	Asynchronous Transfer Mode Signaling service	95
ATMINTF	Asynchronous Transfer Mode Interface service	76
BGP	Border Gateway protocol	52
BGP3	Border Gateway protocol Version 3	53
BGP4	Border Gateway protocol Version 4	72
BISYNC	Bisynchronous over TCP/IP (BOT) protocol	105
BOD	Bandwidth on Demand: dial backup and dial-on-demand services	54
BOOT	Router boot operation	22
BOOTP	Bootstrap protocol	59
BTS	Binary Synchronous Communication Transport service	104
CDM	Configuration Database Manager	103
CRM	Circuit Resource Manager service	91
CSMACD	Carrier Sense Multiple Access/ Carrier Detect (Ethernet) driver	9
DCMMW	Data Collection Module Middleware	96
DECNET	DECnet IV protocol	4
DLS	Data Link Switching (DLSw) protocol	50
DMAP	Direct Memory Access processor	39
DOS	Disk Operating System	28
DP	Data Path service	6
DS1E1	Multichannel T1/E1	63

(continued)

Table 1-2. Entities *(continued)*

Entity	Description	Code
DVMRP	Distance Vector Multicast Routing Protocol (refers to FTP service)	88
E1	E1 driver	35
EGP	Exterior Gateway protocol	46
FDDI	Fiber Distributed Data Interface driver	8
FLOP	Floppy disk controller	32
FR	Frame Relay protocol	25
FRSW	Frame Relay Switch service	65
FRSW_BILLING	Frame Relay Switch billing	66
FRSW_ISDN	Frame Relay Switch ISDN service	107
FS	File System	64
FTP	FTP service (referred to as the DVMRP entity)	88
GAME	Gate Access Management Entity	5
GFS	Generic File System	33
HSSI	High Speed Serial Interface driver	27
HUB	Access Node repeater	71
HWCOMP	Hardware Compression driver	99
HWF	Hardware Filter	37
IGMP	IGMP service	83
IP	Internet protocol	2
IPEX	IP Encapsulation on X.25	93
IPX	Internet Packet Exchange protocol	30
ISDN	ISDN service	79
ISDN_BRI	ISDN BRI driver service	80
LAPB	Link Access Procedure Balanced	73
LB	Learning Bridge protocol	1
LLC	Logical Link Control protocol	48
LNM	LAN Network Manager protocol	51
LOADER	Dynamic loader	55
MCT1	Multichannel T1	67

(continued)

Table 1-2. Entities *(continued)*

Entity	Description	Code
MIB	Management Information Base	13
MODEMIF	Modem Interface	57
MODULE	Module driver	21
NBASE	NBASE	75
NBIP	NetBIOS over IP service	77
NLSP	Network Link State Protocol	97
NML	Native Mode LAN	1
NOV_SYNC	Non-Volatile memory Synchronization	61
NVFS	Non-Volatile File System	11
OSI	Open Systems Interconnection protocol	38
OSPF	Open Shortest Path First	12
PCAP	Packet Capture	62
PING	PING MIB	85
PPP	Point-to-Point Protocol	44
PPRI	Protocol Priority service	90
PTY	Pseudo TTY driver	41
RARP	Reverse Address Resolution Protocol	45
RREDUND	Router Redundance service	98
RUIBOOT	Remote User Interface Boot	102
SDLC	Synchronous Data Link Control	74
SMDS	Switched Multimegabit Data Service	24
SMDS_SW	SMDS Switch	68
SMDS_BILLING	SMDS Switch billing	69
SNMP	Simple Network Management Protocol	3
SPAN	Spanning Tree protocol	16
SR	Source Routing Bridge protocol	29
ST2	ST2 service	94
STA	Statistical thresholds and alarms	56
STATS	Statistical data collection	92

(continued)

Table 1-2. Entities *(continued)*

Entity	Description	Code
SWSERV	Switched access service	58
SYNC	Synchronous driver	20
SYS	System record	60
SYSLOG	System log	89
T1	T1 driver	34
TBL	Routing table	14
TCP	Transmission Control Protocol	47
TELNET	Telnet server protocol	40
TF	Traffic Filter	15
TFTP	Trivial File Transfer Protocol	7
TI	Bay Networks Technician Interface	0
TI_RUI	Technician Interface/Remote User Interface (Site Manager)	18
TNC	Telnet Client protocol	70
TOKEN_RING	Token Ring driver	26
TTY	Teletypewriter	17
VINES	Virtual Networking System protocol	23
WCP	Data compression	84
X25	X.25 protocol	43
XMODEM	Xmodem/Ymodem protocol	42
XNS	Xerox Networking Systems protocol	31

Severity Levels

Event and trap messages are always associated with one of five severity levels. Table 1-3 describes the severity levels and lists the code that corresponds to each one. This guide does not cover Debug messages, because these are for Bay Networks internal use only.

Table 1-3. Severity Levels

Severity	Description	Code
Fault	Indicates a major service disruption. A configuration, network, or hardware problem usually causes such a disruption. The entities involved keep restarting until the problem is resolved either by the router itself or by you.	8
Warning	Indicates that a service acted in an unexpected manner.	4
Information	Indicates routine events. Usually no action is required.	2
Trace	Indicates information about each packet that traversed the network. Bay Networks recommends viewing this type of trap message only when diagnosing network problems.	10
Debug	Indicates information that Bay Networks Customer Support uses. These messages are not documented.	1

SNMP Trap Format

Some third-party network management applications, such as Net Expert, OpenView and SunNet, allow you to trigger a desired operation when a specific SNMP trap is received. This section describes the SNMP trap format.

The router or BNX platform transmits Bay Networks enterprise-specific traps as a 32-bit value as follows:

- Octets 1 and 2 (the most significant 16 bits) contain values of 1 and 0 respectively to identify a Bay Networks enterprise-specific trap.
- Octet 3 contains a code value that identifies the software entity that generated the trap. Table 1-2, shown earlier, lists software entities and their associated code values.
- Octet 4 contains the event code that (in conjunction with the entity code) uniquely identifies the event.

Each 32-bit value is accompanied by three variable bindings that convey the event string that describes the trap condition, the slot that hosts the entity that generated the trap, and the trap severity as listed earlier in Table 1-3.

For example, the following event issued by the HSSI entity may be configured as an SNMP trap:

Entity Code/Event Code **27/2**

Severity: Warning

Message: Connector HSSI <*connector_number*> transmitter time-out.

Figure 1-1 shows the 32-bit portion of the trap as transmitted by the router or BNX platform:

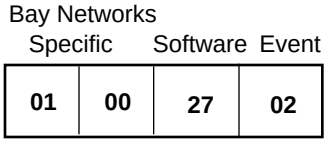

Figure 1-1. Sample SNMP Trap

- Octets 1 and 2 identify a Bay Networks enterprise-specific trap.
- Octet 3 identifies the software entity that generated the trap.
- Octet 4 identifies the event.

Reference to the HSSI section of this directory finds the same trap listed as 16784130, a decimal value that network management applications use.

Figure 1-2 illustrates the equivalence of the two values.

$16{,}784{,}130_{10}$ = 00000001 00000000 00011011 00000010_2

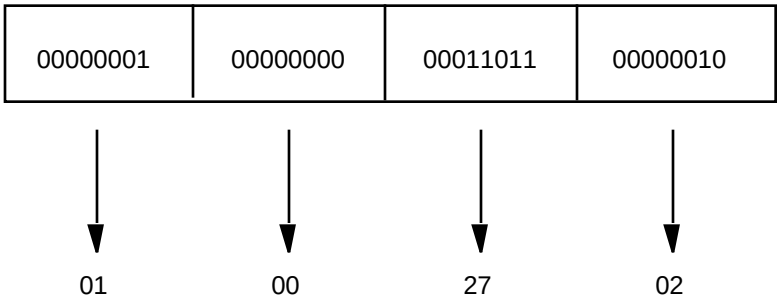

Figure 1-2. Trap Representation

Chapter 2
Event Messages (ACE through ATMINTF)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from ACE through ATMINTF. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

ACE Events

The Advanced Communications Engine service, referred to as the ACE entity, issues the following event messages. The entity code assigned to ACE events is 10.

Fault Events

Entity Code/Event Code	**10/2**
Decimal Identifier	**16779778**
Severity:	Fault
Message:	ACE hardware diagnostic: Undefined cascaded interrupt level 6
Meaning:	A cascaded Level 6 interrupt occurred for an unknown reason.
Action:	Contact the Bay Networks Technical Response Center if this condition persists.

Entity Code/Event Code **10/3**

Decimal Identifier **16779779**

Severity: Fault

Message: ACE hardware diagnostic: NMI: AC power failure

Meaning: A lower power condition is detected.

Action: Contact the Bay Networks Technical Response Center if this condition persists.

Entity Code/Event Code **10/4**

Decimal Identifier **16779780**

Severity: Fault

Message: ACE hardware diagnostic: NMI: local parity error

Meaning: A parity error is detected in the local memory bank.

Action: Replace the ACE processor if this condition persists.

Entity Code/Event Code **10/5**

Decimal Identifier **16779781**

Severity: Fault

Message: ACE hardware diagnostic: NMI: global parity error

Meaning: A parity error is detected in the global memory bank.

Action: Replace the ACE processor if this condition persists.

Entity Code/Event Code **10/6**

Decimal Identifier **16779782**

Severity: Fault

Message: ACE hardware diagnostic: NMI: unknown interrupt

Meaning: A Level 7 (NMI) interrupt occurred for an unknown reason.

Action: Contact the Bay Networks Technical Response Center if this condition persists.

Warning Events

Entity Code/Event Code **10/1**

Decimal Identifier **16779777**

Severity: Warning

Message: ACE hardware diagnostic: <*message*>

Meaning: A cascaded Level 6 interrupt occurred. The message text indicates the source of the interrupt.

Action: Contact the Bay Networks Technical Response Center if there are multiple occurrences of this event.

Entity Code/Event Code **10/7**

Decimal Identifier **16779783**

Severity: Warning

Message: ACE backplane type did not initialize in NOVRAM

Meaning: The backplane type detected is invalid.

Action: Enter the **backplane FN**, **backplane LN**, or **backplane CN** command at the Technician Interface prompt to initialize the backplane in NOVRAM. Then reboot the router.

APPLETALK Events

The AppleTalk service, referred to as the APPLETALK entity, issues the following event messages. The entity code assigned to APPLETALK events is 36.

Fault Event

Entity Code/Event Code **36/1**

Decimal Identifier **16786433**

Severity: Fault

Message: AppleTalk Error: <*fatal_error_message*>

Meaning: The router experienced a fatal error <*fatal_error_message*> and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Warning Events

Entity Code/Event Code **36/14**

Decimal Identifier **16786446**

Severity: Warning

Message: Illegal node id in aarp response <*response_no.*>

Meaning: The router received an illegal response (one that specified 0 or FF as the node ID) in reply to an AARP request. The packet could be corrupted.

Entity Code/Event Code **36/15**

Decimal Identifier **16786447**

Severity: Warning

Message: Illegal net range <*network_start_no.*> — <*network_end_no.*> for circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> was configured with a network range that is invalid.

Action: Assign a valid network range using the router's Network Start and Network End parameters, then re-enable the interface.

Entity Code/Event Code **36/16**

Decimal Identifier **16786448**

Severity: Warning

Message: No default zone configured on circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> was not assigned to a default zone.

Action: Assign the circuit to the default zone specified for this network, then re-enable the interface.

Entity Code/Event Code **36/17**

Decimal Identifier **16786449**

Severity: Warning

Message: Illegal network number <*network_ID*> for circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> was assigned an illegal network number <*network_ID*>.

Action: Assign a valid network number to the circuit, then re-enable the interface.

Entity Code/Event Code **36/18**

Decimal Identifier **16786450**

Severity: Warning

Message: Illegal node number <*node_ID*> for circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> has been assigned an illegal node number <*node_ID*>.

Action: Assign a valid node number to circuit <*circuit_no.*>, then re-enable the interface.

Entity Code/Event Code **36/19**

Decimal Identifier **16786451**

Severity: Warning

Message: Net or node were zero — dynamically obtaining address for circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> has been statically assigned an illegal address with either the network ID portion or node ID portion of the address equal to 0, which is an invalid value for either of these fields. The router will dynamically obtain a valid address for circuit <*circuit_no.*>.

Entity Code/Event Code **36/20**

Decimal Identifier **16786452**

Severity: Warning

Message: Received invalid BrRq from <*network_ID*>.<*node_ID*> on circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> received an invalid broadcast request packet from the node whose AppleTalk address is <*network_ID*>.<*node_ID*>. The packet could be corrupted.

Entity Code/Event Code **36/21**

Decimal Identifier **16786453**

Severity: Warning

Message: Received invalid FwdReq from <*network_ID*>.<*node_ID*> on circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> received an invalid forward request packet from the node whose AppleTalk address is <*network_ID*>.<*node_ID*>. The packet could be corrupted.

Entity Code/Event Code **36/22**

Decimal Identifier **16786454**

Severity: Warning

Message: Static configuration conflict — address in use

Meaning: This circuit has been statically assigned an address that is already in use on the AppleTalk network.

Action: Assign a new address to this circuit (checking first to make certain that it is unique on the AppleTalk network), or allow the router to dynamically assign an address to the circuit.

Entity Code/Event Code **36/23**

Decimal Identifier **16786455**

Severity: Warning

Message: No free node numbers

Meaning: All node numbers are in use on this network. This can occur if two (usually synchronous) interfaces initialize at the same time and randomly pick the same node ID.

Action: Reduce the number of AppleTalk nodes on the network, or increase the size of the network range. (For example, if the network range is 2 to 3, increase it to 2 to 4.) If this event occurred on a synchronous circuit, statically configure the AppleTalk address on each interface.

Entity Code/Event Code **36/24**

Decimal Identifier **16786456**

Severity: Warning

Message: Getnetinfo reply: zone should have been null

Meaning: Another router sent an incorrect response to this router's GetNetInfo request.

Action: Check to see if the other router is misconfigured.

Entity Code/Event Code **36/25**

Decimal Identifier **16786457**

Severity: Warning

Message: Couldn't add default zone

Meaning: The router could not add the default zone specified for this network to its zone list. This could be caused by lack of memory on the slot.

Entity Code/Event Code **36/26**

Decimal Identifier **16786458**

Severity: Warning

Message: GNI Timeout — No NetInfoReply received

Meaning: An AppleTalk interface that is configured as a nonseed router sent out GetNetInfo packets but did not receive a valid GetNetInfo reply in the time allowed (6 seconds).

Action: Every network must contain at least one seed router; make certain that a seed router is configured on this network.

Entity Code/Event Code **36/27**

Decimal Identifier **16786459**

Severity: Warning

Message: Could not get complete zone list

Meaning: The router could not get the entire zone list from the seed router to which it sent out a GetNetInfo request. This can only happen if the router fails, or if the router is configured on a highly unstable network.

Action: Re-enable the AppleTalk interface.

Entity Code/Event Code **36/28**

Decimal Identifier **16786460**

Severity: Warning

Message: Local net range conflict

Meaning: The network range assigned to this router is different from the network range assigned to other routers on the network.

Action: Check the configuration of this router and reconfigure if necessary.

Entity Code/Event Code **36/29**

Decimal Identifier **16786461**

Severity: Warning

Message: RTMP Timeout — No RTMP DATA recvd

Meaning: An AppleTalk interface configured as a nonseed router did not receive a response to its RTMP request in the time allowed (6 seconds).

Action: Check the status of other routers on the network, then re-enable the AppleTalk interface.

Entity Code/Event Code **36/30**

Decimal Identifier **16786462**

Severity: Warning

Message: Failed adding local net — no buffers

Meaning: This slot is running low on buffers, probably due to excessive traffic.

Action: Disable, then enable the affected circuit.

Entity Code/Event Code **36/31**

Decimal Identifier **16786463**

Severity: Warning

Message: Bad net range <*network_start_no.*> — <*network_end_no.*> from <*network_ID*>.<*node_ID*>

Meaning: The router received an RTMP packet from the router <*network_ID*>.<*node_ID*> that contained an illegal network range.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/32**

Decimal Identifier **16786464**

Severity: Warning

Message: Bad non extended net <*network_ID*> from <*network_ID*>.<*node_ID*>

Meaning: The router received an RTMP packet from the router <*network_ID*>.<*node_ID*> that contained an illegal network number.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/33**

Decimal Identifier **16786465**

Severity: Warning

Message: Bad distance <*distance*> for net <*network_ID*> from <*network_ID*>.<*node_ID*>

Meaning: The router received an RTMP packet from the router <*network_ID*>.<*node_ID*> specifying an illegal hop count of between 16 and 30. A valid hop count is between 0 and 15.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/34**

Decimal Identifier **16786466**

Severity: Warning

Message: Range overlap <*network_start_no.*> — <*network_end_no.*> from <*network_ID*>.<*node_ID*>

Meaning: The router received an RTMP packet from the router <*network_ID*>.<*node_ID*> containing a network range <*network_start_no.*> — <*network_end_no.*> that overlapped with an existing network range.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/35**

Decimal Identifier **16786467**

Severity: Warning

Message: Range type conflict for net <*network_ID*> from <*network_ID*>.<*node_ID*>

Meaning: The router received an RTMP packet from the router <*network_ID*>.<*node_ID*> containing an unexpected range type (either nonextended or extended).

Action: Check the configuration of all routers on the network.

Entity Code/Event Code **36/36**

Decimal Identifier **16786468**

Severity: Warning

Message: Invalid zone len <*zone_name_length*> — zone <*first_four_characters_of_zone _name*>

Meaning: The router received an illegal zone name from another router. The zone name length <*zone_name_length*> is in hexadecimal, as are the first four characters of the zone name <*first_four_characters_of_zone name*>.

Action: Check the configuration of all routers on the network.

Entity Code/Event Code **36/37**

Decimal Identifier **16786469**

Severity: Warning

Message: A zip reply had a net number <*network_ID*> not found in rtmp table on circuit <*circuit_no.*>

Meaning: The router received a ZIP reply containing a network number <*network_ID*> that is not present in the router's RTMP table for this interface. This could occur if the network is unstable.

Entity Code/Event Code **36/38**

Decimal Identifier **16786470**

Severity: Warning

Message: GetNetInfo reply: bad multicast length

Meaning: A GetNetInfo reply received by the router contained an invalid mulicast length (the valid length for Token Ring and Ethernet is 6; the valid length for SMDS is 8).

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/39**

Decimal Identifier **16786471**

Severity: Warning

Message: Default zone — seed conflict

Meaning: When the AppleTalk interface was initialized, a seed router was configured with a default zone that was different than the default zone configured for other routers.

Action: Check the configuration of the seed routers on the network.

Entity Code/Event Code **36/40**

Decimal Identifier **16786472**

Severity: Warning

Message: Number of zones on extended net conflict

Meaning: When the AppleTalk interface was initialized, a seed router was configured with a total zone count for this network that was different from the total zone count configured on other routers.

Action: Check the configuration of the seed routers on the network.

Entity Code/Event Code **36/41**

Decimal Identifier **16786473**

Severity: Warning

Message: Zone name conflict

Meaning: When the AppleTalk interface was initialized, a seed router found a zone name in a ZIP reply that was not on its local zone list.

Action: Check the configuration of the seed routers on the network.

Entity Code/Event Code **36/42**

Decimal Identifier **16786474**

Severity: Warning

Message: Bad zip reply

Meaning: The AppleTalk interface received a malformed ZIP reply packet.

Entity Code/Event Code **36/44**

Decimal Identifier **16786476**

Severity: Warning

Message: No WAN Broadcast Address configured

Meaning: No WAN broadcast address has been configured for the AppleTalk interface.

Action: Specify a WAN broadcast address for the interface.

Entity Code/Event Code **36/45**

Decimal Identifier **16786477**

Severity: Warning

Message: No SMDS individual address configured

Meaning: No SMDS individual address has been configured for the AppleTalk interface.

Action: Specify an SMDS individual address for the interface.

Entity Code/Event Code **36/46**

Decimal Identifier **16786478**

Severity: Warning

Message: Configured WAN broadcast address length doesn’t match protocol

Meaning: The WAN broadcast address length is incorrect.

Action: Reconfigure the WAN Broadcast Address parameter.

Entity Code/Event Code **36/47**

Decimal Identifier **16786479**

Severity: Warning

Message: PPP requires a network range of one network

Meaning: If you enable AppleTalk routing services on a PPP circuit, you must specify the network range so that the network start equals the network end. (For example, 5-5 and 7-7 are valid network ranges; however, 8-10 is not.)

Action: Reconfigure the Network Start or Network End parameter.

Entity Code/Event Code **36/48**

Decimal Identifier **16786480**

Severity: Warning

Message: Only one zone allowed on a PPP circuit

Meaning: Multiple AppleTalk zones are configured on this PPP circuit. If you enable AppleTalk routing services on a PPP circuit, then you can only specify a single zone for the network.

Action: Delete all other zones for this interface.

Entity Code/Event Code **36/49**

Decimal Identifier **16786481**

Severity: Warning

Message: Negotiated routing protocol not supported

Meaning: PPP did not negotiate RTMP as the routing protocol.

Action: Reconfigure the remote end of this PPP circuit so that it runs RTMP.

Entity Code/Event Code **36/50**

Decimal Identifier **16786482**

Severity: Warning

Message: Length of MAC address is incorrect for media

Meaning: The MAC address specified is too long for this type of WAN interface.

Action: Reconfigure the WAN MAC Address parameter.

Entity Code/Event Code **36/51**

Decimal Identifier **16786483**

Severity: Warning

Message: Unsupported media <*circuit_type_PAM_ID*><*WAN_protocol_L2_ID*>

Meaning: AppleTalk is enabled on an unsupported type of circuit or is running over an unsupported WAN protocol.

Action: Reconfigure the interface.

Entity Code/Event Code **36/52**

Decimal Identifier **16786484**

Severity: Warning

Message: MTU too small <*MTU_size*>

Meaning: The MTU value is set too low for this circuit.

Action: Increase the MTU size for this circuit.

Entity Code/Event Code **36/61**

Decimal Identifier **16786493**

Severity: Warning

Message: Bad net range <*network_start_no.*> — <*network_end_no.*> from <*IP_address*>

Meaning: The router received an AURP RI-Response or RI-Update packet from the router peer <*IP_address*> that contained an illegal network range.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/62**

Decimal Identifier **16786494**

Severity: Warning

Message: Bad non extended net <*network_ID*> from <*IP_address*>

Meaning: The router received an AURP RI-Response or RI-Update packet from the router peer <*IP_address*> that contained an illegal network number.

Action: Check the configuration of the originating router.

Entity Code/Event Code **36/63**

Decimal Identifier **16786495**

Severity: Warning

Message: AURP: range overlap <*network_start_no.*> — <*network_end_no.*> from <*IP_address*> ignored

Meaning: The router received an AURP RI-Response or RI-Update packet from the router peer <*IP_address*> containing a network range <*network_start_no.*> — <*network_end_no.*> that overlapped with an existing network range. The overlapping network range was ignored.

Action: Eliminate the overlap of the network ranges, then restart the AURP connection (disable, then enable the connection), so that the ignored network range is retransmitted.

Entity Code/Event Code **36/64**

Decimal Identifier **16786496**

Severity: Warning

Message: A ZI-Rsp had a net number<*network_ID*> not found in rtmp table on connection <*connection_no.*>

Meaning: The router received a ZI-Response from router peer <*IP_address*> containing a network number <*network_ID*> that is not present in the router's routing table.

Entity Code/Event Code **36/65**

Decimal Identifier **16786497**

Severity: Warning

Message: Update <*update_type*> for network <*network_start_no.*> — <*network_end_no.*> not sent on connection <*IP_address*>: overlaps existing update <*update_type*> for network <*network_start_no.*> — <*network_end_no.*>.

Meaning: An event occurred in the router's local internet that would have caused it to send update tuples that overlapped. The overlapping update is not sent.

Action: Restart the AURP connection (disable, then enable the connection) to send the ignored update's network information.

Info Events

Entity Code/Event Code **36/2**

Decimal Identifier **16786434**

Severity: Info

Message: Interface <*network_ID*>.<*node_ID*> up on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become enabled, thus providing AppleTalk routing service to the interface. The interface's AppleTalk address is <*network_ID*>.<*node_ID*>.

Entity Code/Event Code **36/3**

Decimal Identifier **16786435**

Severity: Info

Message: Interface <*network_ID*>.<*node_ID*> down on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become disabled, thus disabling AppleTalk routing service to the interface. The interface's AppleTalk address is <*network_ID*>.<*node_ID*>.

Entity Code/Event Code **36/4**

Decimal Identifier **16786436**

Severity: Info

Message: Protocol initializing

Meaning: The router is initializing AppleTalk routing.

Entity Code/Event Code **36/5**

Decimal Identifier **16786437**

Severity: Info

Message: Protocol terminating

Meaning: The router is terminating AppleTalk routing.

Entity Code/Event Code **36/53**

Decimal Identifier **16786485**

Severity: Info

Message: AURP initializing

Meaning: The router is initializing AppleTalk AURP support.

Entity Code/Event Code **36/54**

Decimal Identifier **16786486**

Severity: Info

Message: AURP terminating

Meaning: The router is terminating AppleTalk AURP support.

Entity Code/Event Code **36/55**

Decimal Identifier **16786487**

Severity: Info

Message: AURP Connection opened <*IP_address*>

Meaning: The router has successfully opened the connection to the specified peer.

Entity Code/Event Code **36/56**

Decimal Identifier **16786488**

Severity: Info

Message: AURP Connection closed <*IP_address*>

Meaning: The router has closed the connection to the specified peer.

Entity Code/Event Code **36/57**

Decimal Identifier **16786489**

Severity: Info

Message: AURP Connection closed (timed out) <*IP_address*>

Meaning: The router has closed the connection to the specified peer, because the configured timeout and number of retries have been exceeded.

Entity Code/Event Code **36/58**

Decimal Identifier **16786490**

Severity: Info

Message: AURP Connection closed by peer <*IP_address*>

Meaning: The peer external router <*IP_address*> has closed the AURP connection between itself and the local router.

Entity Code/Event Code **36/59**

Decimal Identifier **16786491**

Severity: Info

Message: AURP Connection request from <*IP_address*> rejected

Meaning: The local router received an AURP connection request from peer external router <*IP_address*>; however, it rejected the request, because no connection is configured between the routers.

Entity Code/Event Code **36/60**

Decimal Identifier **16786492**

Severity: Info

Message: AURP Connection request reject by <*IP_address*> (code <*error_code_no.* >)

Meaning: The peer has rejected an Open request from the local router. The code is the error code in the Open Response packet. Refer to the following table for more information on AURP error codes.

Error Code	Error
-1	Normal connection clode
-2	Routing loop detected
-3	Connection out of sync
-4	Option-negotiation error
-5	Invalid version number
-6	Insufficient resources for connection
-7	Authentication error

Trace Events

Entity Code/Event Code **36/6**

Decimal Identifier **16786438**

Severity: Trace

Message: AARP: node <*network_ID*>.<*node_ID*> added

Meaning: The router added the node whose address is <*network_ID*>.<*node_ID*> to its AARP table.

Entity Code/Event Code **36/7**

Decimal Identifier **16786439**

Severity: Trace

Message: AARP: node <*network_ID*>.<*node_ID*> deleted

Meaning: The router deleted the node whose address is <*network_ID*>.<*node_ID*> from its AARP table.

Entity Code/Event Code **36/8**

Decimal Identifier **16786440**

Severity: Trace

Message: RTMP: net <*network_start_no.*> — <*network_end_no.*> came up

Meaning: The router added the network <*network_start_no.*> — <*network_end_no.*> to its RTMP table.

Entity Code/Event Code **36/9**

Decimal Identifier **16786441**

Severity: Trace

Message: RTMP: net <*network_start_no.*> — <*network_end_no.*> went down

Meaning: The router deleted the network <*network_start_no.*> — <*network_end_no.*> from its RTMP table.

Entity Code/Event Code **36/10**

Decimal Identifier **16786442**

Severity: Trace

Message: FWD: entry <*network_ID*>.<*node_ID*> to <*network_ID*>.<*node_ID*> came up

Meaning: The router added the nodes <*network_ID*>.<*node_ID*> to <*network_ID*>.<*node_ID*> to its forwarding table.

Entity Code/Event Code **36/11**

Decimal Identifier **16786443**

Severity: Trace

Message: FWD: entry <*network_ID*>.<*node_ID*> to <*network_ID*>.<*node_ID*> went down

Meaning: The router deleted the nodes <*network_ID*>.<*node_ID*> to <*network_ID*>.<*node_ID*> from its forwarding table.

Entity Code/Event Code **36/12**

Decimal Identifier **16786444**

Severity: Trace

Message: ZIP: entry <*zone_name*> on net <*network_ID*> came up

Meaning: The router added zone <*zone_name*> on network <*network_ID*> to its zone table.

Entity Code/Event Code **36/13**

Decimal Identifier **16786445**

Severity: Trace

Message: ZIP: entry <*zone_name*> on net <*network_ID*> went down

Meaning: The router deleted zone <*zone_name*> on network <*network_ID*> from its zone table.

APPN Events

The Advanced Peer-to-Peer Networking service, referred to as the APPN entity, issues the following event messages. The entity code assigned to APPN events is 86.

Fault Event

Entity Code/Event Code **86/1**

Decimal Identifier **16799233**

Severity: Fault

Message: System error, APPN service attempting restart.

Meaning: The APPN driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Contact the Bay Networks Technical Response Center if this condition persists.

Warning Events

Entity Code/Event Code **86/2**

Decimal Identifier **16799234**

Severity: Warning

Message: LU 6.2 received negative BIND response: Mode= <*mode_name*>, Sense = <*sense_data*>, Sending CP name = <*CP_name*>, Sending LU name = <*LU_name*>, Partner LU name = <*LU_name*>.

Meaning: A partner LU that supports only nonextended BINDs detected an error causing it to send an -RSP (BIND). The LU receiving the -RSP (BIND) generates this message.

Action: Review the associated resources and check the communications program in both the local and remote nodes.

Entity Code/Event Code **86/3**

Decimal Identifier **16799235**

Severity: Warning

Message: LU 6.2 sent negative BIND response: Mode= <*mode_name*>, Sense = <*sense_data*>, Sending CP name = <*CP_name*>, Sending LU name = <*LU_name*>, Partner LU name = <*LU_name*>.

Meaning: An LU detected an error, causing it to send an -RSP(BIND) response to its partner LU. The SNA <*sense_data*> denotes the exact error condition detected.

Action: Review the associated resources and check the communications program in both the local and remote nodes.

Entity Code/Event Code **86/4**

Decimal Identifier **16799236**

Severity: Warning

Message: LU 6.2 session activation rejected: Mode= <mode _name>, Sense = <*sense_data*>, Sending CP name = <*CP_name*>, Sending LU name = <*LU_name*>, Partner LU name = <*LU_name*>.

Meaning: The CP has rejected the LU's request for assistance in the initiation of a session. The session manager informs the resource manager that the session activation has failed. The SNA <*sense_data*> denotes the exact error condition detected.

Action: Review the associated resources and check the communications program.

Entity Code/Event Code **86/5**

Decimal Identifier **16799237**

Severity: Warning

Message: LU 6.2 UNBIND request sent: Mode= <*mode_name*>, Sense = <*sense_data*>, UNBIND type = <*type*>, Sending CP name = <*CP_name*>, Sending LU name = <*LU_name*>, Partner LU name = <*LU_name*>.

Meaning: The LU detected an error, causing it to send an UNBIND to its partner LU. The SNA <*sense_data*> denotes the exact error condition detected. The <*mode_name*> is the name of the deactivated session. If no node name is available when the alert is sent, the mode name is encoded as eight X'40' bytes.

Action: Review the associated resources and check the communications program in both the local and remote nodes.

Entity Code/Event Code **86/6**

Decimal Identifier **16799238**

Severity: Warning

Message: LU 6.2 UNBIND request received: Mode= <*mode_name*>, Sense = <*sense_data*>, UNBIND type = <*type*>, Sending CP name = <*CP_name*>, Sending LU name = <*LU_name*>, Partner LU name = <*LU_name*>.

Meaning: The partner LU (which supports extended BINDs) rejected the BIND with an UNBIND. The SNA <*sense_data*> denotes the exact error condition detected.

Action: Review the associated resources and check the communications program in both the local and remote nodes.

Entity Code/Event Code **86/7**

Decimal Identifier **16799239**

Severity: Warning

Message: Session setup failure: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: SNA session setup failed due to a problem with BIND processing, or a problem occurred with the communications program at the remote node. The SNA <*sense_data*> denotes the exact BIND with an UNBIND and the exact error condition being reported.

Action: Check the communications program at the remote node and contact the Bay Networks Technical Response Center for assistance.

Entity Code/Event Code **86/8**

Decimal Identifier **16799240**

Severity: Warning

Message: Invalid XID received: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: XID negotiation was terminated by this node because the received XID was invalid in format, or contained unacceptable values. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node.

Entity Code/Event Code **86/9**

Decimal Identifier **16799241**

Severity: Warning

Message: XID protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: XID negotiation was terminated by this node because the remote node violated protocols for XID exchange. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node.

Entity Code/Event Code **86/10**

Decimal Identifier **16799243**

Severity: Warning

Message: Incorrect Set Mode command received: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: An invalid Set Mode (SM) was received. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node.

Entity Code/Event Code **86/11**

Decimal Identifier **16799243**

Severity: Warning

Message: XID negotiation terminated: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: XID negotiation was terminated by the remote node. An XID negotiation error control vector (x'22') was received. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at both the local and remote nodes.

Entity Code/Event Code **86/12**

Decimal Identifier **16799244**

Severity: Warning

Message: Unable to communicate with remote node (XID failure): Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: XID negotiation was terminated by the alert sender because no response was received and the XID retry limit was reached. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program and configuration at the remote node. Check the network connections.

Entity Code/Event Code **86/13**

Decimal Identifier **16799245**

Severity: Warning

Message: Unable to communicate with remote node (DLC failure): Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: The communications program was abnormally terminated due to a failed DLC (interface) or path control component.

Action: Check the communications program at the remote node. Check the network connections. If the problem persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/14**

Decimal Identifier **16799246**

Severity: Warning

Message: XID negotiation terminated: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: XID negotiation was terminated because one or more resources were unavailable. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program, or contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/15**

Decimal Identifier **16799247**

Severity: Warning

Message: CP-CP session failure: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: A format error was detected in a topology database update (TDU) general data stream (GDS) variable. The topology database manager instructs session services to UNBIND the CP-CP session over which the TDU was received. The associated SNA <*sense_data*> is sent in the UNBIND. The TDU containing the error is ignored. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node, or contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/16**

Decimal Identifier **16799248**

Severity: Warning

Message: Topology capacity exceeded: Alert code = <*product alert reference code*>, Maximum entries = <*number*>, Sending CP name = <*CP_name*>.

Meaning: The node table is full. This condition is probably the result of a configuration error. The TDU causing the condition is ignored.

Action: Check the configuration file for the maximum number of node and transmission group (TG) entries in the topology database.

Entity Code/Event Code **86/17**

Decimal Identifier **16799249**

Severity: Warning

Message: Topology protocol error: Alert code = <*product alert reference code*>, Resource name = <*resource_name*>, Sending CP name = <*CP_name*>.

Meaning: The architecture-defined maximum for the resource sequence number (RSN) has been reached. The resource (a node or transmission group) is no longer available for use. The topology database manager continues to run. The TDU causing the error is discarded.

Action: Check the name of the resource in question.

Entity Code/Event Code **86/18**

Decimal Identifier **16799250**

Severity: Warning

Message: Directory services protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: Indicates a protocol violation on a LOCATE or BIND request or, that the architecture-defined maximum resource sequence number (RSN) has been reached. The resource (a node or transmission group) is no longer available for use. The TDU causing the error is discarded. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node, or contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/19**

Decimal Identifier **16799251**

Severity: Warning

Message: CP-CP session failure: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: Insufficient resources are available for directory services. Deadlock has been detected between directory services (DS) components in two nodes. When this condition exists, directory services instructs session services to UNBIND the CP-CP session to the other node. If this problem reoccurs, it may indicate a node configuration error. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node, or contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/20**

Decimal Identifier **16799252**

Severity: Warning

Message: Unauthorized network change attempted: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: An end node CP, without authorization, has attempted to delete a resource (Directory Services). Probable cause is that an unauthorized user attempted to change the configuration. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node; check for unauthorized users.

Entity Code/Event Code **86/21**

Decimal Identifier **16799253**

Severity: Warning

Message: Out of resources: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: Indicates the failure of an intermediate session setup due to insufficient storage. If the session connection manager is unable to allocate the resources needed for a session, it UNBINDS the session. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the memory on the router.

Entity Code/Event Code **86/22**

Decimal Identifier **16799254**

Severity: Warning

Message: SNA protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Destination LU name = <*LU_name*>.

Meaning: The session connector has received an invalid request unit (RU) and has signaled the session connector manager to UNBIND the session. The SNA <*sense_data*> denotes the exact error condition being reported. The <*product alert reference code*> identifies the module in the multiprotocol network program that discovered the error.

Action: Check the communication program in the adjacent node; check the pacing parameters in the configuration.

Entity Code/Event Code **86/23**

Decimal Identifier **16799255**

Severity: Warning

Message: Software program error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, ABEND code = <*code*>.

Meaning: The communications program was abnormally terminated. Indicates an ABEND of a session connector or session connector manager for a reason other than lack of resources.

Action: If the message reoccurs and the problem persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **86/24**

Decimal Identifier **16799256**

Severity: Warning

Message: Management services protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: Indicates a management services protocol error. The received multiple-domain support message unit (MDS-MU) cannot be processed. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program in the remote node. Contact the Bay Networks Technical Response Center if the problem persists.

Entity Code/Event Code **86/25**

Decimal Identifier **16799257**

Severity: Warning

Message: SNA protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Port name = <*link_station_name*>, TG name = <*transmission_group*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: Indicates an SNA protocol violation. The received path information unit (PIU) is discarded. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program in the remote node. Contact the Bay Networks Technical Response Center if the problem persists.

Entity Code/Event Code **86/26**

Decimal Identifier **16799258**

Severity: Warning

Message: CP-CP session failure: Alert code = <*product alert reference code*>, TP name = <*transaction_program_name*>, Sending CP name = <*CP_name*>.

Meaning: A required transaction program cannot be started.

Action: Check the APPN configuration for any setting(s) that may be preventing the transaction program from starting.

Entity Code/Event Code **86/27**

Decimal Identifier **16799259**

Severity: Warning

Message: Unauthorized access attempted: Alert code = <*product alert reference code*>, TP name = <*transaction_program_name*>, Sending CP name = <*CP_name*>.

Meaning: Indicates that a BIND was received from an end node (EN) that this network node (NN) does not serve. If the end node includes the route selection control vector (RSCV) in the BIND, the network node does not make this check.

Action: Check the APPN configuration to see if the end node <*CP_name*> is properly configured.

Entity Code/Event Code **86/28**

Decimal Identifier **16799260**

Severity: Warning

Message: Session services protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>, Partner CP name = <*CP_name*>.

Meaning: Indicates a protocol violation on a LOCATE or BIND request. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the remote node. Contact the Bay Networks Technical Response Center if the problem persists.

Entity Code/Event Code **86/29**

Decimal Identifier **16799261**

Severity: Warning

Message: DLUR protocol error: Sense = <*sense_data*>, Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: Indicates a Dependent Logical Unit Requester protocol violation. The SNA <*sense_data*> denotes the exact error condition being reported.

Action: Check the communications program at the network node. Contact the Bay Networks Technical Response Center if the problem persists.

Entity Code/Event Code **86/30**

Decimal Identifier **16799262**

Severity: Warning

Message: DLUR configuration error - Partner LU does not support DLUS: Alert code = <*product alert reference code*>, Sending CP name = <*CP_name*>.

Meaning: Indicates that the primary/backup DLUS node does not support DLUR.

Action: Check the adjacent link station configuration to see if DLUR is enabled or disabled.

Info Events

Entity Code/Event Code **86/31**

Decimal Identifier **16799263**

Severity: Info

Message: Directory entry added: name = <*parent_resource_name*>, owner = <*parent_name*>.

Meaning: A directory entry was added to the local directory services database. This entry may have been generated by a local resource registration, or it may be the cached results of a network search.

Entity Code/Event Code **86/32**

Decimal Identifier **16799264**

Severity: Info

Message: Directory entry removed: name = <*parent_resource_name*>, owner = <*parent_name*>.

Meaning: A directory entry was removed from the local directory database. This entry may have been deregistered, suspected to be invalid, or is being replaced by a newer entry.

Entity Code/Event Code **86/33**

Decimal Identifier **16799265**

Severity: Info

Message: DLC activated: name = <*dlc_name*>

Meaning: The APPN interface was activated. The <*dlc_name*> is the configured DLC name.

Entity Code/Event Code **86/34**

Decimal Identifier **16799266**

Severity: Info

Message: DLC deactivated: name = <*dlc_name*>.

Meaning: The APPN interface was deactivated. The <*dlc_name*> is the configured DLC name.

Entity Code/Event Code **86/35**

Decimal Identifier **16799267**

Severity: Info

Message: RTP Connection activated: name = <*name*>.

Meaning: The Rapid Transport Protocol (RTP) connection was activated. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/36**

Decimal Identifier **16799268**

Severity: Info

Message: RTP Connection deactivated: name = <*name*>.

Meaning: The RTP connection was deactivated. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/37**

Decimal Identifier **16799269**

Severity: Info

Message: RTP Connection Setup Failed: name = <*name*>.

Meaning: The RTP connection failed. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/38**

Decimal Identifier **16799270**

Severity: Info

Message: RTP Connection Path Switched: name = <*name*>.

Meaning: The existing RTP connection switched to another path. The <*name*> indicates the 8-byte RTP connection name of the switched path.

Entity Code/Event Code **86/39**

Decimal Identifier **16799271**

Severity: Info

Message: RTP Connection Connected: name = <*name*>.

Meaning: RTP established a connection. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/40**

Decimal Identifier **16799272**

Severity: Info

Message: RTP Connection Disconnected: name = <*CP_name*>.

Meaning: The existing RTP connection was disconnected. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/41**

Decimal Identifier **16799273**

Severity: Info

Message: RTP Connection Session Count Changing: name = <*name*>, connections: <*number*>

Meaning: The number of active RTP sessions is changing. The <*name*> indicates the 8-byte RTP connection name. The <*number*> indicates the latest number of sessions over the RTP connection.

Entity Code/Event Code **86/42**

Decimal Identifier **16799274**

Severity: Info

Message: RTP Connection Indication: Conn state <*state*>, cause <*cause*>: name = <*name*>

Meaning: The RTP connection changed state. The <*state*> indicates the current condition and <*cause*> indicates the reason. The <*name*> indicates the 8-byte RTP connection name.

Entity Code/Event Code **86/43**

Decimal Identifier **16799275**

Severity: Info

Message: Focal point acquired: ms category = <*focal_point_category*>, fp name = <*CP_name*>, appl name = <*focal_point_application_name*>, fp type = <*focal_point_type*>.

Meaning: The local network node acquired SNA-formatted network management data from an entry point node on the network. A focal point is an entry point that provides centralized management and control for other entry points. The fp name is the fully qualified control point name of the current focal point. The appl name is the name of the current focal point application. The fp type indicates the type of focal point: explicit primary, backup, default primary, domain, or host. For detailed information on focal and entry points, refer to the IBM publication, *IBM Systems Network Architecture: Management Services* (SC30-3346).

Entity Code/Event Code **86/44**

Decimal Identifier **16799276**

Severity: Info

Message: Focal point revoked: ms category = <*focal_point_category*>, fp name = <*CP_name*>, appl name = <*focal_point_application_name*>, fp type = <*focal_point_type*>.

Meaning: The local network node revoked SNA-formatted network management data from an entry point node on the network. A focal point is an entry point that provides centralized management and control for other entry points. The fp name is the fully qualified control point name of the current focal point. The appl name is the name of the current focal point application. The fp type indicates the type of focal point: explicit primary, backup, default primary, domain, or host. For detailed information on focal and entry points, refer to the IBM publication, *IBM Systems Network Architecture: Management Services* (SC30-3346).

Entity Code/Event Code **86/45**

Decimal Identifier **16799277**

Severity: Info

Message: ISR session activated: FQCP name = <*CP_name*>, PCID = <*procedure_correlator_ID*>.

Meaning: An intermediate session was activated. The FQCP name indicates the fully qualified control point name of the originator of the session. The PCID indicates the 8-byte hexadecimal procedure correlator ID of the activated session.

Entity Code/Event Code **86/46**

Decimal Identifier **16799278**

Severity: Info

Message: ISR session deactivated: FQCP name = <*CP_name*>, PCID = <*procedure_correlator_ID*>.

Meaning: An intermediate session was deactivated. The FQCP name indicates the fully qualified control point name of the originator of the session. The PCID indicates the 8-byte hexadecimal procedure correlator ID of the deactivated session.

Entity Code/Event Code **86/47**

Decimal Identifier **16799279**

Severity: Info

Message: TG activated: dest name = <*node_name*>, dest type = <*node_type*>, TG number = <*number*>.

Meaning: The transmission group indicated by the TG number was activated. The dest name is the fully qualified destination node name. The destination type indicates an end node (EN) or network node (NN).

Entity Code/Event Code **86/48**

Decimal Identifier **16799280**

Severity: Info

Message: TG deactivated: dest name = <*node_name*>, dest type = <*node_type*>, TG number = <*number*>.

Meaning: The transmission group indicated by the TG number was deactivated. The dest name is the fully qualified destination node name. The destination type indicates an end node (EN) or network node (NN).

Entity Code/Event Code **86/49**

Decimal Identifier **16799281**

Severity: Info

Message: LS activated: ls name = <*link_station_name*>, adjacent CP name = <*CP_name*>, adjacent node type = <*node_type*>.

Meaning: The link station indicated by the <*link_station_name*> was activated. The adjacent CP name indicates the control point name. The adjacent node type indicates an end node (EN), or network node (NN).

Entity Code/Event Code **86/50**

Decimal Identifier **16799282**

Severity: Info

Message: LS deactivated: ls name = <*link_station_name*>, adjacent CP name = <*CP_name*>, adjacent node type = <*node_type*>.

Meaning: The link station indicated by the <*link_station_name*> was deactivated. The adjacent CP name indicates the control point name. The adjacent node type can be an end node (EN), network node (NN), or low-entry networking node (LEN).

Entity Code/Event Code **86/51**

Decimal Identifier **16799283**

Severity: Info

Message: NN Topology — Node activated: node name = <*name*>, node type = <*node_type*>.

Meaning: A topology update was received indicating that a node is now active. The node name is the fully qualified name of the node. The node type indicates a network node (NN) or a virtual routing node (VRN).

Entity Code/Event Code **86/52**

Decimal Identifier **16799284**

Severity: Info

Message: NN Topology — Node deactivated: node name = <*name*>, node type = <*node_type*>.

Meaning: A topology update was received indicating that a node is now inactive. The node name is the fully qualified name of the node. The node type indicates a network node (NN) or a virtual routing node (VRN).

Entity Code/Event Code **86/53**

Decimal Identifier **16799285**

Severity: Info

Message: NN Topology — TG activated: owner name = <*node_name*>, dest name = <*node_name*>, TG number = <*number*>.

Meaning: A topology update was received indicating that a TG is now active. The owner name indicates the name of the originating node. The destination name is the fully qualified destination node for the TG. The TG number identifies the TG between the two nodes.

Entity Code/Event Code **86/54**

Decimal Identifier **16799286**

Severity: Info

Message: NN Topology — TG deactivated: owner name = <*node_name*>, dest name = <*node_name*>, TG number = <*number*>.

Meaning: A topology update was received indicating that a TG is now inactive. The owner name indicates the name of the originating node. The destination name is the fully qualified destination node for the TG. The TG number identifies the TG between the two nodes.

Entity Code/Event Code **86/55**

Decimal Identifier **16799287**

Severity: Info

Message: PORT activated: name = <*port_name*>.

Meaning: The port indicated by the <*port_name*> was activated.

Entity Code/Event Code **86/56**

Decimal Identifier **16799288**

Severity: Info

Message: PORT deactivated: name = <*port_name*>.

Meaning: The port indicated by the <*port_name*> was deactivated.

Entity Code/Event Code **86/57**

Decimal Identifier **16799289**

Severity: Info

Message: Endpoint session activated: LU name = <*LU_name*>, PLU name = <*LU_name*>.

Meaning: A session was activated between a local LU and a partner LU. The LU name is an 8-byte character string.

Entity Code/Event Code **86/58**

Decimal Identifier **16799290**

Severity: Info

Message: Endpoint session deactivated: LU name = <*LU_name*>, PLU name = <*LU_name*>.

Meaning: A session was deactivated between a local LU and a partner LU. The LU name is an 8-byte character string.

Entity Code/Event Code **86/59**

Decimal Identifier **16799291**

Severity: Info

Message: DLUR: CP-SVR Pipe activated to DLUS <*name*>.

Meaning: A DLUR pipe was activated to a configured DLUS.

Entity Code/Event Code **86/60**

Decimal Identifier **16799292**

Severity: Info

Message: DLUR: CP-SVR Pipe deactivated to DLUS <*name*>.

Meaning: A DLUR pipe was deactivated with a configured DLUS.

Entity Code/Event Code **86/61**

Decimal Identifier **16799293**

Severity: Info

Message: DLUR: LU Session State Change: LU name = <*LU_name*>, PU name = <*PU_name*>, SSCP-LU <*state*>, LU-LU <*state*>.

Meaning: A dependent LU being serviced by DLUR has changed session state. The SSCP-LU and LU-LU session states, Active and Inactive, are logged.

Entity Code/Event Code **86/62**

Decimal Identifier **16799294**

Severity: Info

Message: DLUR: PU activated, PU name = <*LU_name*>, LS name = <*link_station_name*>.

Meaning: A PU2.0 device has been activated by the SSCP through the DLUR/DLUS pipe.

Entity Code/Event Code **86/63**

Decimal Identifier **16799295**

Severity: Info

Message: DLUR: PU deactivated, PU name = <*LU_name*>, LS name = <*link_station_name*>.

Meaning: A PU2.0 device has been deactivated by the SSCP through the DLUR/DLUS pipe.

Entity Code/Event Code **86/64**

Decimal Identifier **16799296**

Severity: Info

Message: APING initiated, FQLU name = <*LU_name*>.

Meaning: An APING command was issued from the technician interface to the fully qualified <*LU_name*>. For detailed information on APING, refer to the Bay Networks manual, *Using Technician Interface Software.*

Entity Code/Event Code **86/65**

Decimal Identifier **16799297**

Severity: Info

Meaning: APING completed, FQLU name = <*LU_name*>.

Meaning: An APING command was issued from the technician interface to the fully qualified target LU and was successful. For detailed information on APING, refer to the Bay Networks manual, *Using Technician Interface Software.*

Entity Code/Event Code **86/66**

Decimal Identifier **16799298**

Severity: Info

Message: APING failed, FQLU name = <*LU_name*>.

Meaning: An APING command was issued from the technician interface to the fully qualified target LU and failed.

Action: Retry the **ping -appn** command and ensure that you have specified a correct <*LU_name*>. For detailed information on APING, refer to the Bay Networks manual, *Using Technician Interface Software.*

ARP Events

The Address Resolution Protocol service, referred to as the ARP entity, issues the following event messages. The entity code assigned to ARP events is 19.

Info Events

Entity Code/Event Code **19/1**

Decimal Identifier **16782081**

Severity: Info

Message: Service is up on circuit <*circuit_no.*>

Meaning: ARP is providing service to the specified circuit.

Entity Code/Event Code **19/2**

Decimal Identifier **16782082**

Severity: Info

Message: Service is down on circuit <*circuit_no.*>

Meaning: ARP is no longer providing service to the specified circuit.

Entity Code/Event Code **19/5**

Decimal Identifier **16782085**

Severity: Info

Message: Invalid ARP Source: <*source_IP_address*> MAC: <*MAC_address*> on <*interface_address*>

Meaning: ARP received a resolution request from a host on a different network.

Entity Code/Event Code **19/6**

Decimal Identifier **16782086**

Severity: Info

Message: Invalid ARP Request: Src: <*source_IP_address*> MAC: <*MAC_address*> & Dest: <*destination_IP_address*> on diff nets

Meaning: The source and destination address of the ARP request are on different networks.

ASYNC Events

The asynchronous protocol, referred to as the ASYNC entity, issues the following event messages. The entity code assigned to ASYNC events is 87.

Fault Event

Entity Code/Event Code **87/1**

Decimal Identifier **16799489**

Severity: Fault

Message: System error, async TTY service attempting restart.

Meaning: The ASYNC driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the ASYNC driver fails to restart.

Warning Events

Entity Code/Event Code **87/2**

Decimal Identifier **16799490**

Severity: Warning

Message: Connector COM <*connector_no.*> out of range.

Meaning: The synchronous connector COM <*connector_no.*> is invalid and will be ignored.

Action: Modify the configuration file to accurately describe the link module described in the specified slot.

Entity Code/Event Code **87/3**

Decimal Identifier **16799491**

Severity: Warning

Message: Connector COM <*connector_no.*> not verified with diagnostic.

Meaning: The connector identified by <*connector_no.*> has been placed in service. However, powerup diagnostics were aborted/terminated prior to verifying the connection.

Action: Rerun powerup diagnostics by issuing the technician interface **diags** command to the slot in question if you wish to verify COM <*connector_no.*> integrity.

Entity Code/Event Code **87/4**

Decimal Identifier **16799492**

Severity: Warning

Message: Connector COM <*connector_no.*>: Failed to connect to, port <*port_no.*>.
Connector COM <*connector_no.*>: Listening failed on, port <*port_no.*>.
Connector COM <*connector_no.*>: Invalid remote IP address, port <*port_no.*>.
Connector COM <*connector_no.*>: Connect failed to, port <*port_no.*>.

Meaning: A connection or listening failure occurred when the ASYNC protocol attempted to connect to a destination port, or an invalid remote IP address was specified.

Action: Check the ASYNC configuration for an incorrect remote IP address, or check the cabling and connection to the remote port.

Entity Code/Event Code **87/5**

Decimal Identifier **16799493**

Severity: Warning

Message: Connector COM <*connector_no.*>: Inactivity time out on connection.

Meaning: The ASYNC idle timer value was exceeded and the connection timed out.

Action: Check the ASYNC configuration and increase the idle timer value.

Entity Code/Event Code **87/6**

Decimal Identifier **16799494**

Severity: Warning

Message: Connector COM <*connector_no.*>: Data Comms Equipment (DCE) unavailable (connection indicator signal lost).

Meaning: The connection indicator (Data Set Ready) on the specified synchronous connection has been lost.

Action: Check your cables.

Entity Code/Event Code **87/7**

Decimal Identifier **16799495**

Severity: Warning

Message: Configured Connector COM <*connector_no.*>: Configured MTU of <*value_1*> is too large, use <*value_2*> or smaller

Meaning: The MTU on the specified synchronous connection is too large.

Action: Reconfigure the MTU for the specified synchronous connector so that it is equal to or less than the value specified by <*value_2*>.

Info Events

Entity Code/Event Code **87/8**

Decimal Identifier **16799496**

Severity: Info

Message: Connector COM <*connector_no.*> disabled.

Meaning: The synchronous connection COM <*connector_no.*> is disabled.

Entity Code/Event Code **87/9**

Decimal Identifier **16799497**

Severity: Info

Message: Connector COM <*connector_no.*> enabled.

Meaning: The synchronous connection COM <*connector_no.*> is enabled.

Entity Code/Event Code **87/10**

Decimal Identifier **16799498**

Severity: Info

Message: Connector COM <*connector_no.*> configuration deleted.

Meaning: The record for the specified synchronous connection has been deleted from the configuration.

Entity Code/Event Code **87/11**

Decimal Identifier **16799499**

Severity: Info

Message: Connector COM <*connector_no.*> providing LLC1 service.

Meaning: The specified synchronous connection is enabled and providing LLC1 service.

Entity Code/Event Code **87/12**

Decimal Identifier **16799500**

Severity: Info

Message: Connector COM <*connector_no.*>: Providing asynch passthrough service.

Meaning: The ASYNC protocol was enabled on a specific communications port.

Entity Code/Event Code **87/13**

Decimal Identifier **16799501**

Severity: Info

Message: Connector COM <*connector_no.*>: Aborting connection to, port <*port_no.*>
Connector COM <*connector_no.*>: Connecting to, port <*port_no.*>.
Connector COM <*connector_no.*>: Listening on, port <*port_no.*>.
Connector COM <connector _no.>:Calling, port <*port_no.*>.
Connector COM <*connector_no.*>: Connected to, port <*port_no.*>.
Connector COM <*connector_no.*>: Connection timed out, port <*port_no.*>.
Connector COM <*connector_no.*>: Connection aborted by, port <*port_no.*>.
Connector COM <*connector_no.*>: Connection closed by, port <*port_no.*>.

Meaning: These are informational messages reporting the current ASYNC status.

ATM Events

The Asynchronous Transfer Mode service, referred to as the ATM entity, issues the following event messages. The entity code assigned to ATM events is 78.

Fault Events

Entity Code/Event Code **78/24**

Decimal Identifier **16797208**

Severity: Fault

Message: System error, service attempting restart.

Meaning: ATM experienced a fatal error and is restarting automatically. ATM attempts to restart.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if ATM fails to restart.

Entity Code/Event Code **78/53**

Decimal Identifier **16797237**

Severity: Fault

Message: Out of memory while allocating vc-cct table block.

Meaning: ATM ran out of memory while trying to allocate enough space for a vc-cct table.

Action: Contact the Bay Networks Technical Response Center.

Warning Events

Entity Code/Event Code **78/16**

Decimal Identifier **16797200**

Severity: Warning

Message: Line <*line_no.*>: No ATM Interface MIB entry found.

Meaning: The ATM Interface Table (object ID 1.3.6.1.4.18.3.4.23.1.1) does not contain an entry for the specified line.

Action: Check the configuration of the ATM interface. Make sure that the line number equals the line number in the physical interface entry.

Entity Code/Event Code **78/17**

Decimal Identifier **16797201**

Severity: Warning

Message: Line <*line_no.*> Cct <*circuit_no.*>: No ATM Service Record MIB entry found.

Meaning: No ATM services record exists on line <*line_no.*> cct <*circuit_no.*>.

Action: Configure an ATM service record for this line circuit combination.

Entity Code/Event Code **78/18**

Decimal Identifier **16797202**

Severity: Warning

Message: Line <*line_no.*>: Pkt length error- <*SHORT/LONG*>.

Meaning: ATM rejected a received frame because it was either less than six characters long (short) or longer than the maximum allowed frame size for the current media (long).

Entity Code/Event Code **78/19**

Decimal Identifier **16797203**

Severity: Warning

Message: VPI/VCI <*VPI_no.*>/<*VCI_no.*> configured as Hybrid but with no direct circuit value.

Meaning: A circuit value is missing for this hybrid virtual channel.

Action: Check the circuit entry and verify that the direct circuit number is not 0.

Entity Code/Event Code **78/20**

Decimal Identifier **16797204**

Severity: Warning

Message: ATM received a response from the driver for unknown call reference <*call_ref*> on line number <*line_no.*>.

Meaning: The driver sent ATM a commit, reserve, or release message with an unknown call reference.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **78/21**

Decimal Identifier **16797205**

Severity: Warning

Message: ATM unable to allocate memory.

Meaning: ATM was unable to allocate buffer memory.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **78/22**

Decimal Identifier **16797206**

Severity: Warning

Message: ATM call reference <*call_ref*> already used.

Meaning: ATM has been requested to act upon an already used call reference.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **78/23**

Decimal Identifier **16797207**

Severity: Warning

Message: ATM registration failed on cct <*circuit_no.*>.

Meaning: The circuit <*circuit_no.*> cannot forward a registration message to ATM.

Action: Contact the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **78/01**
Decimal Identifier **16797185**
Severity: Info
Message: Line <*line_no.*>: ATM Service provided.
Meaning: ATM service has completed initialization on the specified line.

Entity Code/Event Code **78/02**
Decimal Identifier **16797186**
Severity: Info
Message: Line <*line_no.*>: ATM Service activated on Interface.
Meaning: ATM service is enabled on the specified line.

Entity Code/Event Code **78/03**
Decimal Identifier **16797187**
Severity: Info
Message: Line <*line_no.*>: ATM Service terminating.
Meaning: ATM service is terminating on the specified line.

Entity Code/Event Code **78/04**
Decimal Identifier **16797188**
Severity: Info
Message: Line <*line_no.*>: ATM Service is down.
Meaning: ATM service is not operational on the specified line.

Entity Code/Event Code **78/05**
Decimal Identifier **16797189**
Severity: Info
Message: Line <*line_no.*>: ATM Interface disabled.
Meaning: The ATM interface is disabled on the specified line.

Entity Code/Event Code **78/06**

Decimal Identifier **16797190**

Severity: Info

Message: Line <*line_no.*>: ATM Interface enabled.

Meaning: The ATM interface is enabled on the specified line.

Entity Code/Event Code **78/07**

Decimal Identifier **16797191**

Severity: Info

Message: Line <*line_no.*> Cct <*circuit_no.*> ATM Service Record disabled.

Meaning: The ATM Service Record is disabled on the specified line and circuit number.

Entity Code/Event Code **78/08**

Decimal Identifier **16797192**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> activated.

Meaning: The specified VPI/VCI is up and running on the specified line.

Entity Code/Event Code **78/09**

Decimal Identifier **16797193**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> deleted.

Meaning: The specified VPI/VCI is deleted from the specified line.

Entity Code/Event Code **78/10**

Decimal Identifier **16797194**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> enabled.

Meaning: The specified VPI/VCI is enabled on the specified line.

Entity Code/Event Code **78/11**

Decimal Identifier **16797195**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> reconfigured.

Meaning: The specified VPI/VCI is reconfigured.

Entity Code/Event Code **78/12**

Decimal Identifier **16797196**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> disabled.

Meaning: The specified VPI/VCI is disabled on the specified line.

Entity Code/Event Code **78/13**

Decimal Identifier **16797197**

Severity: Info

Message: Line <*line_no.*>: VPI/VCI <*VPI_no.*>/<*VCI_no.*> has been added.

Meaning: The specified line now contains the specified VPI/VCI.

Entity Code/Event Code **78/14**

Decimal Identifier **16797198**

Severity: Info

Message: Line <*line_no.*>: Multiple duplicate active lines

Meaning: Duplicate lines are in the process of becoming active. Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **78/15**

Decimal Identifier **16797199**

Severity: Info

Message: Line <*line_no.*>: Bad cct number

Meaning: ATM has received a circuit number of 0 from the driver.

Entity Code/Event Code **78/48**

Decimal Identifier **16797256**

Severity: Info

Message: Line <*line_no.*> Cct <*circuit_no.*> ATM Service Record set to delete

Meaning: ATM deleted the ATM Service Record for the specified line and circuit.

Trace Events

Entity Code/Event Code **78/25**

Decimal Identifier **16797209**

Severity: Trace

Message: Line <*line_no.*>: Deleted ATM Interface Table

Meaning: The ATM Interface Table is deleted from the virtual circuit.

Entity Code/Event Code **78/26**

Decimal Identifier **16797209**

Severity: Trace

Message: Line <*line_no.*>: Deleted VPI/VCI <*VPI_no.*>/<*VCI_no.*> ATM VCL Table

Meaning: The ATM Virtual Channel Link Table no longer contains the specified VPI/VCI.

Entity Code/Event Code **78/56**

Decimal Identifier **16797240**

Severity: Trace

Message: Line <*line_no.*>, Cct <*circuit_no.*>: Deleted Service Record

Meaning: ATM deleted the Service Record from the specified line and circuit.

Entity Code/Event Code **78/57**

Decimal Identifier **16797241**

Severity: Trace

Message: Line <*line_no.*>, Cct <*circuit_no.*>: Deleted VPI/VCI <*VPI_no.*>/<*VCI_no.*> from ATM PVC Table

Meaning: The ATM PVC Table no longer contains the specified VPI/VCI for the specified line and circuit.

ATM_DXI Events

The Asynchronous Transfer Mode/Data Exchange Interface service, referred to as the ATM_DXI entity, issues the following event messages. The entity code assigned to ATM_DXI events is 49.

Note: *The <low_level_index> variable shown in several of the event messages is reserved for future use.*

Fault Event

Entity Code/Event Code **49/36**

Decimal Identifier **16789796**

Severity: Fault

Message: System error, service attempting restart.

Meaning: ATM DXI experienced a fatal error and is restarting automatically. ATM DXI will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if ATM DXI fails to restart.

Warning Events

Entity Code/Event Code **49/22**

Decimal Identifier **16789782**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM LMI received invalid message type <*message_type*>.

Meaning: The Local Management Interface (LMI) protocol has dropped a packet, because it did not recognize or could not parse the message type. The valid message types are 0 (GetRequest), 1 (GetNextRequest), 2 (GetResponse), 3 (SetRequest), and 4 (Trap).

Entity Code/Event Code **49/23**

Decimal Identifier **16789783**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM LMI address is of incorrect type.

Meaning: The Local Management Interface protocol has dropped a packet because of an address type mismatch.

Entity Code/Event Code **49/24**

Decimal Identifier **16789784**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: No ATM Interface MIB entry found.

Meaning: The ATM Interface Table (object ID 1.3.6.1.4.18.3.5.9.5.2) does not contain an entry for the specified line.

Action: Check the configuration of the ATM interface. Make sure that the line number is equal to the line number in the physical interface entry.

Entity Code/Event Code **49/25**

Decimal Identifier **16789785**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM LMI service has terminated.

Meaning: The LMI protocol has failed or been removed from the specified line.

Entity Code/Event Code **49/26**

Decimal Identifier **16789786**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Bad vpi/vci <*VPI_ID*>/<*VCI_ID*> for a <*packet_type*>.

Meaning: The ATM DXI code has dropped a packet received on the specified line, because the destination virtual path/virtual circuit is unknown.

Action: Check the configuration of the ATM PVC. Verify that the VPI and VCI have been configured.

Entity Code/Event Code **49/27**

Decimal Identifier **16789787**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: No extended address bit in atm dxi header.

Meaning: The ATM DXI code has dropped a packet because of a mismatch between the setting of the extended address bit and the actual length of the address contained in the packet.

Entity Code/Event Code **49/28**

Decimal Identifier **16789788**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Pkt length error- <*SHORT/LONG*>.

Meaning: A received frame has been rejected because it was either less than six characters long (short) or longer than the maximum allowed frame size for the current media (long).

Entity Code/Event Code **49/29**

Decimal Identifier **16789789**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Unsupported control (<*rcvd_control_value*>) on PVC <*VPI_ID*>/<*VCI_ID*>.

Meaning: The specified virtual path/virtual circuit received an unknown or unsupported Control field. The received control value must be the same as the value defined by RFC 1294.

Action: Check the configuration of the ATM interface or the ATM PVC. Verify that both endpoints have the same configuration.

Entity Code/Event Code **49/30**

Decimal Identifier **16789790**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*> — CS_PDU length mismatch on ATM PVC <*VPI_ID*>/<*VCI_ID*>.

Meaning: A Convergence Sublayer Packet Data Unit (CS_PDU) has been discarded, because a comparison of the header BASize field, the Trailer Length field, and the actual length of the CS_VCI_PDU showed a mismatch.

Entity Code/Event Code **49/31**

Decimal Identifier **16789791**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*> — Misdelivered CS_PDU detected.

Meaning: A Segmentation and Reassembly Packet Data Unit (CS_PDU) has been discarded, because an invalid virtual path ID/virtual circuit ID was detected at the CS ATM Adaption layer.

Action: Check the configuration of the ATM interface or the ATM PVC.

Entity Code/Event Code **49/32**

Decimal Identifier **16789792**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*> — Misdelivered MPE_PDU detected.

Meaning: An MPE_PDU has been discarded because of an inactive SAP (Service Access Point).

Action: Check the configuration of the ATM Interface or the ATM PVC. Verify that both endpoints have the same configuration.

Entity Code/Event Code **49/33**

Decimal Identifier **16789793**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*> — CS_PDU BETag mismatch on ATM PVC <*VPI_ID*>/<*VCI_ID*>.

Meaning: A CS_PDU has been discarded, because the header BETag and the trailer BETag failed to match.

Entity Code/Event Code **49/34**

Decimal Identifier **16789794**

Severity: Warning

Message: Vpi/Vci <*VPI_ID*>/<*VCI_ID*> configured as *2*but with no Direct Circuit value.

Meaning: A circuit value is missing for this direct/hybrid virtual channel. Check the PVC entry and verify that the direct circuit number is not 0.

Entity Code/Event Code **49/35**

Decimal Identifier **16789795**

Severity: Warning

Message: LMI response from DSU timed out on line <*line_no.*> LLIndex <*low_level_index*>

Meaning: The LMI response from the DSU has timed out on the specified line.

Entity Code/Event Code **49/66**

Decimal Identifier **16789796**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>:Illegal AAL configured for specified ATM DXI Mode.

Meaning: The value entered for the CS_PDU Encapsulation parameter cannot be configured with the value set for the DXI Mode parameter.

Action: Change the value of the CS_PDU Encapsulation parameter.

Entity Code/Event Code **49/67**

Decimal Identifier **16789797**

Severity: Warning

Message: Line <*line_no.*> LLIndex <*low_level_index*>VPI/VCI <*VPI_ID*>/<*VCI_ID*>: Illegal AAL configured for specified ATM DXI Mode.

Meaning: The value entered for the CS_PDU Encapsulation parameter cannot be configured with the value set for the DXI Mode parameter.

Action: Change the value of the CS_PDU Encapsulation parameter.

Info Events

Entity Code/Event Code **49/1**

Decimal Identifier **16789761**

Severity: Info

Message: Line <*line_no.*>: ATM DXI Service provided.

Meaning: ATM DXI service has completed initialization on the specified line.

Entity Code/Event Code **49/2**

Decimal Identifier **16789762**

Severity: Info

Message: Line <*line_no.*>: LLIndex <*low_level_index*>: ATM DXI Service activated on Interface.

Meaning: ATM DXI service is enabled on the specified line.

Entity Code/Event Code **49/3**

Decimal Identifier **16789763**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM DXI Service terminating.

Meaning: ATM DXI service has gone down on the specified line.

Entity Code/Event Code **49/4**

Decimal Identifier **16789764**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM DXI Service is down.

Meaning: ATM DXI service is down on the specified line.

Entity Code/Event Code **49/5**

Decimal Identifier **16789765**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM DXI Delay in down Service.

Meaning: Another line is currently being removed from service at the same time the specified line is queued to be removed.

Entity Code/Event Code **49/6**

Decimal Identifier **16789766**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM LMI Enabled.

Meaning: LMI has been enabled on the specified line.

Entity Code/Event Code **49/7**

Decimal Identifier **16789767**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM LMI Disabled.

Meaning: LMI has been disabled on the specified line.

Entity Code/Event Code **49/8**

Decimal Identifier **16789768**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Cold Start trap received from DSU.

Meaning: ATM received a Cold Start trap from the DSU. A Cold Start trap indicates that the DSU has restarted and may have altered its configuration.

Entity Code/Event Code **49/9**

Decimal Identifier **16789769**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Warm Start trap received from DSU.

Meaning: ATM received a Warm Start trap from the DSU device. A Warm Start trap indicates that the DSU has restarted and has not altered its configuration.

Entity Code/Event Code **49/10**

Decimal Identifier **16789770**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Link Down trap received from DSU.

Meaning: ATM received a Link Down trap from the DSU. A Link Down trap indicates that the DSU network interface has been taken out of service.

Entity Code/Event Code **49/11**

Decimal Identifier **16789771**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Link Up trap received from DSU.

Meaning: ATM received a Link Up trap from the DSU. A Link Up trap indicates that the DSU network interface has been put into service, or has been restored to service.

Entity Code/Event Code **49/12**

Decimal Identifier **16789772**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Enterprise Specific trap received from DSU.

Meaning: ATM received an Enterprise Specific trap from the DSU.

Entity Code/Event Code **49/13**

Decimal Identifier **16789773**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM DXI Interface disabled.

Meaning: The ATM interface has been disabled on the specified line.

Entity Code/Event Code **49/14**

Decimal Identifier **16789774**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: ATM DXI Interface enabled.

Meaning: The ATM interface has been enabled on the specified line.

Entity Code/Event Code **49/15**

Decimal Identifier **16789775**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> has been activated.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID is up and running on the specified line.

Entity Code/Event Code **49/16**

Decimal Identifier **16789776**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> deleted.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been deleted from the specified line.

Entity Code/Event Code **49/17**

Decimal Identifier **16789777**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> enabled.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been enabled on the specified line.

Entity Code/Event Code **49/18**

Decimal Identifier **16789778**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> reconfigured.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been reconfigured.

Entity Code/Event Code **49/19**

Decimal Identifier **16789779**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> disabled.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been disabled on the specified line.

Entity Code/Event Code **49/20**

Decimal Identifier **16789780**

Severity: Info

Message: Line <*line_no.*> LLIndex <*low_level_index*>: vpi/vci <*VPI_ID*>/<*VCI_ID*> has been added.

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been added to the specified line.

Entity Code/Event Code **49/21**

Decimal Identifier **16789781**

Severity: Info

Message: Line <*line_no.*>: Multiple duplicate active lines

Meaning: Duplicate lines are in the process of becoming active. Call the Bay Networks Technical Response Center.

Trace Events

Entity Code/Event Code **49/37**

Decimal Identifier **16789797**

Severity: Trace

Message: ATM Base Statistics Table created

Meaning: The router or BNX has completed creation of the ATM base.

Entity Code/Event Code **49/38**

Decimal Identifier **16789798**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM Interface Table

Meaning: The interface record for the specified line has been deleted.

Entity Code/Event Code **49/39**

Decimal Identifier **16789799**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM LMI Table

Meaning: The LMI record for the specified line has been deleted.

Entity Code/Event Code **49/40**

Decimal Identifier **16789800**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM VBR CS Table

Meaning: The Convergence Sublayer/Variable Bit Rate Type 3 record for the specified line has been deleted.

Entity Code/Event Code **49/41**

Decimal Identifier **16789801**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM DXI Router Table

Meaning: The DXI routing record for the specified line has been deleted.

Entity Code/Event Code **49/42**

Decimal Identifier **16789802**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM PLCP Table

Meaning: The Physical Layer Convergence Protocol record for the specified line has been deleted.

Entity Code/Event Code **49/43**

Decimal Identifier **16789803**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM UNI Table

Meaning: The User Network Interface record for the specified line has been deleted.

Entity Code/Event Code **49/44**

Decimal Identifier **16789804**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM VBR Table

Meaning: The Variable Bit Rate Type 3 record for the specified line has been deleted.

Entity Code/Event Code **49/45**

Decimal Identifier **16789805**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM VBR SAR Table

Meaning: The Variable Bit Rate Type 3/Segmentation and Reassembly record for the specified line has been deleted.

Entity Code/Event Code **49/46**

Decimal Identifier **16789806**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted ATM DXI DSU Table

Meaning: The ATM DXI DSU Table for the specified line has been deleted.

Entity Code/Event Code **49/47**

Decimal Identifier **16789807**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted VPI/VCI<*VPI_ID*>/<*VCI_ID*> ATM CS VCI Table

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been deleted from the ATM Convergence Sublayer VCI Table.

Entity Code/Event Code **49/48**

Decimal Identifier **16789808**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted VPI/VCI <*VPI_ID*>/<*VCI_ID*> ATM PVC Table

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been been deleted from the ATM Permanent Virtual Circuit Table.

Entity Code/Event Code **49/49**

Decimal Identifier **16789809**

Severity: Trace

Message: Line <*line_no.*> LLIndex <*low_level_index*>: Deleted VPI/VCI<*VPI_ID*>/<*VCI_ID*> ATM DXI DXIADDR Table

Meaning: The specified Virtual Path Interface ID/Virtual Circuit Interface ID has been been deleted from the DXI Address Table.

ATM_LE Events

The Asynchronous Transfer Mode LAN Emulation service, referred to as the ATM_LE entity, issues the following event messages. The entity code assigned to ATM_LE events is 100.

Fault Event

Entity Code/Event Code **100/1**

Decimal Identifier **16802817**

Severity: Fault

Message: System error, service attempting restart.

Meaning: ATM LAN Emulation encountered a problem from which it could not recover and is restarting automatically.

Action: Save the log and configuration file for the Bay Networks Technical Response Center to analyze.

Warning Events

Entity Code/Event Code **100/8**

Decimal Identifier **16802824**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC config record not present.

Meaning: The LAN Emulation Client (LEC) on this circuit has successfully registered its ATM address, but there is no LAN Emulation configuration record for this circuit.

Action: This situation should not occur when you configure LECs with Site Manager. Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/9**

Decimal Identifier **16802825**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC invalid client change.

Meaning: The LAN Emulation Client (LEC) on this circuit attempted to initialize itself; however, there is no LAN Emulation configuration record for this circuit.

Action: This situation should not occur when you configure LECs with Site Manager. Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/10**

Decimal Identifier **16802826**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC unsuccessful at getting buffer.

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to allocate a buffer.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/11**

Decimal Identifier **16802827**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC unsuccessful at forwarding buffer.

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to forward a buffer to a particular destination.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/12**

Decimal Identifier **16802828**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC dp_get_circ_info() failed.

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to obtain circuit information.

Action: Delete the LEC and add it again. If the problem persists, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/13**

Decimal Identifier **16802829**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received unrecognized or timed out flush response.

Meaning: The LAN Emulation Client (LEC) on this circuit received a FLUSH response with an unrecognized transaction ID from the adjacent LAN Emulation Client.

Action: If this situation occurs again and the LEC continues to use the broadcast and unknown server (BUS) and not the proper data direct VC, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/14**

Decimal Identifier **16802830**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received a timeout for unknown pending flush request.

Meaning: The LAN Emulation Client (LEC) on this circuit never received a FLUSH response from the adjacent LAN Emulation Client.

Action: Early version of the Ethercell do not respond to FLUSH requests, and as a result the FLUSH response times out. You can either upgrade the Ethercell to Version 1.4 or greater, or disable the FLUSH protocol on that router's LAN Emulation Client. Disabling the FLUSH protocol forces the router LEC to switch over to the new VC after the number of seconds in the Path Switching Delay parameter.

Entity Code/Event Code **100/15**

Decimal Identifier **16802831**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC reconfiguration retry exhausted.

Meaning: The LAN Emulation Client (LEC) on this circuit is unable to finish the configuration and join phase after the maximum number of configuration retries. This commonly occurs because one of the control VCs could not be set up. If the configuration retry count is 0, the LEC continuously restarts the configuration phase. Otherwise, the LEC remains silent.

Action: Make sure each router LEC is assigned to different emulated LANs. Increase the debug level of the LEC and view the ATM_LE log for a close indication message that has a Signaling cause value. Turn on Signaling Debug and view the ATM_SIG log for more information.

Entity Code/Event Code **100/16**

Decimal Identifier **16802832**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC bus resolve retry exhausted.

Meaning: The LAN Emulation Client (LEC) on this circuit is unable to complete the broadcast and unknown server (BUS) phase after the maximum number of multicast retries because either the multicast send or multicast forward VC could not be set up. When this occurs, the LEC restarts the configuration phase.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/17**

Decimal Identifier **16802833**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC ARP entry for MAC <*MAC_address*> exists but can't be found.

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to update a LAN Emulation address resolution protocol (ARP) MIB entry for this MAC address.

Action: The LEC should still function and use the correct data direct VC for that MAC address; however, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/18**

Decimal Identifier **16802834**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC No MAC address binding for <*MAC_address*>.

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to delete a LAN Emulation address resolution protocol (ARP) MIB entry for this MAC address.

Action: The LEC should still function and use the correct data direct VC for that MAC address; however, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/19**

Decimal Identifier **16802835**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received bad bind id of <*bind_ID*> from signaling.

Meaning: The LAN Emulation Client (LEC) on this circuit received an invalid bind ID from ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/20**

Decimal Identifier **16802836**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received bad call reference of <*call_ref*> from signaling.

Meaning: The LAN Emulation Client (LEC) on this circuit received a call reference value that is different from any of those given for any pending Open request.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/21**

Decimal Identifier **16802837**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Control register failed for reg_id <*reg_id*> return <*return_code*>

Meaning: The LAN Emulation Client (LEC) on this circuit failed to register control VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/22**

Decimal Identifier **16802838**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC MCast register failed for reg_id <*reg_id*> return <*return_code*>.

Meaning: The LAN Emulation Client (LEC) on this circuit failed to register multicast VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/23**

Decimal Identifier **16802839**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Data register failed for reg_id <*reg_id*> return <*return_code*>.

Meaning: The LAN Emulation Client (LEC) on this circuit failed to register data VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/24**

Decimal Identifier **16802840**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Control SAP binding failed - return <*return_code*>.

Meaning: The LAN Emulation Client (LEC) on this circuit failed to bind control VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/25**

Decimal Identifier **16802841**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC MCast SAP binding failed - return <*return_code*>.

Meaning: The LAN Emulation Client (LEC) on this circuit failed to bind multicast VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/26**

Decimal Identifier **16802842**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Data SAP binding failed - return <*return_code*>.

Meaning: The LAN Emulation Client (LEC) on this circuit failed to bind data VCs with ATM Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/27**

Decimal Identifier **16802843**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Close Indication call_ref <*call_ref*> cause value <*cause_value*>

Meaning: The LAN Emulation Client (LEC) on this circuit received a close indication from ATM Signaling. LAN Emulation control and multicast VCs should always be up; however, they may come down if, for example, the server goes down. On the other hand, inactivity can bring down data VCs.

Action: If a control or multicast VC goes down for some unknown reason, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/28**

Decimal Identifier **16802844**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received invalid message type <*message_type*>

Meaning: The LAN Emulation Client (LEC) on this circuit received an invalid message and is unable to process it.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/29**

Decimal Identifier **16802845**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Ctrl gate received buffer before signal.

Meaning: The LAN Emulation Client (LEC) on this circuit received a buffer before receiving the signal to initialize. Something seriously wrong has occurred.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/30**

Decimal Identifier **16802846**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Ctrl gate received bad signal.

Meaning: The LAN Emulation Client (LEC) on this circuit received a signal other than the signal to initialize. Something seriously wrong has occurred.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/31**

Decimal Identifier **16802847**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC failed to create portable LEC.

Meaning: The LAN Emulation Client (LEC) on this circuit could not create the portable LEC. The LEC restarts itself and tries again.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/32**

Decimal Identifier **16802848**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC main cct died.

Meaning: The LAN Emulation Client (LEC) on this circuit detected that the main circuit went down. The LEC restarts itself and tries again.

Entity Code/Event Code **100/33**

Decimal Identifier **16802849**

Severity: Warning

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received RESTART indication from signalling.

Meaning: ATM Signaling notified the LAN Emulation Client (LEC) on this circuit that a network RESTART was received. ATM Signaling closes all of this LECs VCs, and the LEC restarts itself.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC <*circuit_no.*>: Cannot find call_ref <*call_ref*> entry.

Meaning: The LAN Emulation Client (LEC) on this circuit could not find the VC entry associated with this call reference, and therefore could not remove the entry.

Action: Save the log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: Unexpected opcode: LM_CONTROL for cct <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit received an erroneous LM_CONTROL notification from the portable LEC code.

Action: Save the log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Unrecognized LEC event = <*event_no.*> for cct <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit received an unrecognized event type.

Action: Save the log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: FLUSH switchover VC no longer exists

Meaning: During the FLUSH process, the data VC that the LEC was going to switch to came down. This can happen if two clients collide while trying to bring up a Data Direct VC. The VC initiated by the LEC with the higher ATM address is sometimes dropped. If the LEC with the higher ATM address is in the middle of the FLUSH process, the LEC prints or logs this message. Initially, the LEC with the higher ATM address switches back to the broadcast and unknown server (BUS) VC. It then performs the FLUSH again, and switches to the VC initiated by the LEC with the lower ATM address.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: incoming Data Direct call rejected - Our ATM address is lower LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit detected a Data Direct VC collision. Since the remote LEC has a larger ATM address, the local LEC closes the incoming Data Direct VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: incoming Data Direct call accepted - call collision drops old VCC <*VCC_ID*> for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit detected a Data Direct VC collision. Since the LEC on this circuit has the larger ATM address, this LEC closes its own Data Direct VCC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: incoming Data Direct call accepted - call collision drops old pending VCC call_ref = <*call_ref*> for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit detected a Data Direct VC collision. Since the LEC on this circuit has the larger ATM address, it closes its own pending Data Direct VCC with this call reference.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: Reinitiating BUS phase for cct <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit was unable to establish both multicast VCs within a certain amount of time. The LEC restarts the broadcast and unknown server (BUS) phase beginning with “reARPing” for the all Fs MAC address.

Action: If this problem persists without eventually establishing the multicast VCs, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no more VCs to open call

Meaning: A LAN Emulation Client (LEC) was unable to allocate enough space to open another VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad transaction_id received

Meaning: During the processing of an open confirm, the LAN Emulation Client (LEC) noticed that the transaction ID associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: open_call - corrupted open call pend received

Meaning: During the processing of an open confirm, the LAN Emulation Client (LEC) noticed that the call pend associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: open_call - corrupted open call notify func received

Meaning: During the processing of an open confirm the LAN Emulation Client (LEC) noticed that the call back function associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no more VCs to accept incoming call

Meaning: A LAN Emulation Client was unable to allocate enough space to accept the Control Distribute VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no more VCs to accept incoming Data Direct call

Meaning: A LAN Emulation Client was unable to allocate enough space to accept a Data Direct VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no more VCs to accept incoming Multicast Fwd call

Meaning: A LAN Emulation Client was unable to allocate enough space to accept the Multicast Forward VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Drop Call Indication for unknown VCC (<*VPI_ID*>/<*VCI_ID*>)

Meaning: During the processing of a close indication, a LAN Emulation Client was unable to find this VCC in its internal tables.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: drop_call - bad transaction_id received

Meaning: During the processing of a close indication, a LAN Emulation Client noticed that the transaction ID associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: drop_call - corrupted pend received

Meaning: During the processing of a close indication, a LAN Emulation Client noticed that the call pend associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: drop_call - corrupted drop call notify func received

Meaning: During the processing of a close indication, a LAN Emulation Client noticed that the call back function associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: drop_call - corrupted drop call VC table entry ptr received on LEC <*circuit_no.*>

Meaning: During the processing of a close indication, a LAN Emulation Client noticed that the VC table entry pointer associated with a particular call reference was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: VCC to be dropped not found in VC table

Meaning: A LAN Emulation Client was unable to find and delete a VC in its VC table.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no malloc

Meaning: A LAN Emulation Client was unable to allocate memory so that it could add an endpoint to a point-to-multipoint VC.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: trying to add endpoint to a pt-pt VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client was erroneously trying to add an endpoint to this point-to-point VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: trying to add endpoint to a not-yet-connected VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client was erroneously trying to add an endpoint to this VCC, which is not yet connected.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: duplicate end point add requested

Meaning: A LAN Emulation Client was erroneously trying to add the same endpoint to a VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no VC assigned for this pt-mpt VCC

Meaning: A LAN Emulation Client was erroneously trying to update the endpoint status of an unknown point-to-multipoint VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: vctab_connend - <*VPI/VCI*> not a pt-mpt call

Meaning: A LAN Emulation Client was erroneously trying to update the endpoint status of this point-to-point VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: vctab_connend - pt-mpt VCC <*VPI_ID/VCI_ID*> not in connected state

Meaning: A LAN Emulation Client was erroneously trying to update the endpoint status of this point-to-multipoint VCC, which is not yet connected.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: end point not found

Meaning: A LAN Emulation Client could not find a particular endpoint of a point-to-multipoint VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: not a pt-mpt call

Meaning: A LAN Emulation Client was erroneously trying to remove an endpoint from this point to point VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open Data Direct or MCast Send VCC for LEC <*circuit_no.*> - reason<*reason_code*>

Meaning: The LAN Emulation Client on this circuit could not open this data VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no Tx buffers

Meaning: A LAN Emulation Client was unable to obtain a buffer.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad LE-ARP timeout parm

Meaning: A LAN Emulation Client noticed that LAN Emulation address resolution protocol (ARP) timeout call back parameter has been corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad LE_ARP lookup

Meaning: A LAN Emulation Client could not find a particular MAC address in its address resolution protocol (ARP) table.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no timers available for LE_ARP wakeup on LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit was unable to obtain a timer for the LAN Emulation address resolution protocol (ARP) wakeup timer.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: no timers available for LE_ARP reverify on LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit was unable to obtain a timer for the LAN Emulation address resolution protocol (ARP) reverify timer.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open Config direct VCC for LEC <*circuit_no.*> - reason (<*reason_code*>)

Meaning: The LAN Emulation client on this circuit could not open this Config direct VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open Config Direct VCC - reason (<*reason_code*>)

Meaning: A LAN Emulation Client could not open this Config direct VCC.

Action: Check the cause value of the previous log message to find out why the VC was rejected. Also check the ATM Signaling log.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad AAL5 Tx

Meaning: A LAN Emulation Client could not transmit the Config Request.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad config timeout parm

Meaning: While processing a Config timeout, a LAN Emulation Client discovered that the timeout parameter has been corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Pkt too short: discarded (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config Response on this Config VCC that is too short.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Pkt bad marker: discarded (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config Response on this Config VCC with a marker field that not the LE control marker (0xFF00).

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Pkt bad protocol/version: discarded (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config Response on this Config VCC with either an illegal protocol or version value.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: corrupted Config Response transaction_id (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config Response on this Config VCC with a corrupted transaction ID.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... out of malloc space

Meaning: A LAN Emulation Client could not allocate memory.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Config Resp incompatible LAN type (<*LAN_type*>) returned - FAILED

Meaning: A LAN Emulation Client (LEC) received a Config Response with a LAN type different from the one requested.

Action: Version 9.01 of LAN Emulation supports only 802.3 LAN types, and does not support 802.5 LAN types. If the LAN type returned is 802.3 make sure the LEC is configured for 802.3 or unspecified. If the LAN type returned is 802.5 move the LEC to a LAN supporting 802.3.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control pkt ... too short: discarded

Meaning: A LAN Emulation Client has received a Control Packet which is too short.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control pkt ... bad marker (<*marker_field*>): discarded

Meaning: A LAN Emulation Client has received a Control Packet with this marker field that is not the LE control marker (0xFF00).

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control pkt ... bad protocol/version (<*protocol/version*>): discarded

Meaning: A LAN Emulation Client has received a Control Packet with either an illegal protocol or version value.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control pkt ... could not look up valid LEC for VCC <*VPI_ID/VCI_ID*>

Meaning: A LAN Emulation Client could not find the LEC associated with the Control Packet's Source ATM address.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... LE_Topology_Response Huhh???? - discarded

Meaning: A LAN Emulation Client received a unexpected Topology Response packet.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... LE_Flush_Response Huhh???? - discarded

Meaning: A LAN Emulation Client received an unexpected FLUSH Response packet.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... LE_NARP_RESPONSE Huhhhh???? - discarded

Meaning: A LAN Emulation Client received a unexpected Negative ARP Response packet.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control pkt ... bad type/opcode: discarded

Meaning: A LAN Emulation Client received a control packet with an unknown opcode.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: lec_register_client bad call parms

Meaning: A LAN Emulation Client could not bind or register with Signaling.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ATM client registration failed - reason (TIMED OUT)

Meaning: A LAN Emulation Client timed out while waiting for the registration to complete.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad LE_READY_IND send on <*VPI_ID/VCI_ID*>

Meaning: A LAN Emulation Client was unable to transmit a Ready indication packet on this VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open Control Direct VCC - reason (<*reason_code*>)

Meaning: A LAN Emulation Client could not open a Control Direct VCC.

Action: Check the ATM Signaling log.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad Control VCC Open pend

Meaning: While processing the Control VCC Open message, a LAN Emulation Client noticed that a pointer had been corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open Control Direct VCC for LEC <*circuit_no.*> - reason (<*reason_code*>)

Meaning: The LAN Emulation Client on this circuit could not open its Control Direct VCC.

Action: Check the cause value of the previous LAN Emulation log message to find out why the VC was rejected. Also check the ATM Signaling log.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad LE_Join send

Meaning: A LAN Emulation Client was unable to transmit a Join Request packet on this VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: bad Join timeout pend

Meaning: While processing a Join timeout, a LAN Emulation Client discovered that the timeout parameter has been corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: LE-JOIN response timed out for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has timed out while waiting for JOIN to complete.

Action: Verify that this LEC on this User-to-Network Interface (UNI) is on a different emulated LAN than any other LEC on this UNI. Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: corrupted Join response transaction_id

Meaning: While processing a Join Response message, a LAN Emulation Client noticed that the transaction ID was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... corrupted transaction_id

Meaning: While processing a Join Response message, a LAN Emulation Client noticed that the transaction ID was corrupted.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... bad Join status (<*Ctrl_frame_status*>)

Meaning: A LAN Emulation Client (LEC) received a Join Response with this Join status.

Action: Verify that this LEC on this User-to-Network Interface (UNI) is on a different emulated LAN than any other LEC on this UNI. Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: trying to delete non-existent McastFwdVCC

Meaning: A LAN Emulation Client tried to delete a non-existent Multicast Forward VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Data Direct Open Call Ind for LEC <*circuit_no.*> not joined - rejected

Meaning: While not in the joined state, the LAN Emulation Client on this circuit received an Open Indication for a data direct VCC. The Open indication was rejected.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: unsupported AAL5 packet size - incoming call dropped

Meaning: A LAN Emulation Client (LEC) received an Open Indication with an Maximum Transmission Unit (MTU) greater than this LEC could allow. The Open indication was rejected.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Drop Call Indication on Multicast VCC <*VPI_ID/VCI_ID*> for LEC <*circuit_no.*> not joined

Meaning: While not in the joined state, the LAN Emulation Client on this circuit received a close indication for this multicast VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Drop Call Indication on unidentified Multicast VCC <*VPI_ID/VCI_ID*> for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit received a close indication for this unknown multicast VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Drop Call Indication for LEC <*circuit_no.*> not joined

Meaning: While not in the joined state, the LAN Emulation Client on this circuit received a close indication for this Data Direct VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Far end <Deliberate | Accidental> Drop Call Indicate (Data VCC <*VPI_ID/VCI_ID*>) for client <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit received either a deliberate or accidental close indication for this data direct VCC. “Deliberate” means that the far end deliberately closed the VC; “Accidental” means that the VC was closed for some other reason.

Action: If the data direct VCC was closed deliberately, check the state of the remote LEC. If it was accidental, check the cause value in the previous ATM_LE log message. Also check the ATM Signaling log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Drop Call Indication for LEC <*circuit_no.*> not joined - rejected

Meaning: While not in the joined state, the LAN Emulation Client on this circuit received a close indication.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: killing all remaining VCCs for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit closed all of its VCCs. This will happen if one of the LEC’s Control VCs goes down (for example, if the Server goes down), or if the LEC is moved from one virtual LAN to another. The LEC automatically rejoins the LAN.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping leaf from VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client is closing this point-to-multipoint leaf VCC. This is the result of the *LEC: killing all remaining VCCs for LEC* <circuit_no.> message.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping VCC <*VPI_ID/VCI_ID*>

Meaning: A LAN Emulation Client is closing this VCC. This is the result of the *LEC: killing all remaining VCCs for LEC* <circuit_no.> message.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: disconnecting LEC <*circuit_no.*> from BUS

Meaning: The LAN Emulation Client on this circuit is closing its connections to the broadcast and unknown server (BUS). This happens when either the Multicast VCC goes down, or if the BUS does not set up the Multicast Forward VCC within a certain amount of time.

Action: If this repeatedly occurs with the *Reinitiating BUS phase for cct* <circuit_no.> message proceeding it, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping leaf from Multicast Fwd VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Server is dropping this Multicast Forward VCC leave.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping Multicast Fwd VCC <*VPI_ID/VCI_ID*>

Meaning: A LAN Emulation Client is dropping this Multicast Forward VCC. This may happen when the *LEC: disconnecting LEC* <circuit_no.> *from BUS* message appears.

Action: If this repeatedly occurs with the *Reinitiating BUS phase for cct* <circuit_no.> message proceeding it, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping Multicast Send VCC <*VPI_ID/VCI_ID*>

Meaning: A LAN Emulation Client is dropping this Multicast Forward VCC.This may happen when the *LEC: disconnecting LEC* <circuit_no.> *from BUS* message appears.

Action: If this repeatedly occurs with the *Reinitiating BUS phase for cct* <circuit_no.> message proceeding it, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: LE-ARP response timed out for LEC <*circuit_no.*>

Meaning: A LAN Emulation Client (LEC) has timed out while waiting for an ARP Response.

Action: Determine the state of the LEC that should be responding to this address resolution protocol (ARP) request. If there is no problem with the remote LEC, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: got unexpected LE_ARP response from ourselves

Meaning: A LAN Emulation Client has received an address resolution protocol (ARP) response within the wrong state.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: late LE_ARP response for LEC <*circuit_no.*> - discarded

Meaning: The LAN Emulation Client on this circuit has received an address resolution protocol (ARP) response for a MAC address that has already been declared as unresolved.

Action: If this message occurs shortly after the *LEC: LE-ARP response timed out for LEC* <*circuit_no.*> message, try increasing the value for the Expected LE ARP Response Time parameter in the LAN Emulation Parameters window. (See *Configuring ATM Services* for information on the Expected LE ARP Response Time parameter.) Otherwise, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Unsuccessful response: LE_ARP request failed

Meaning: A LAN Emulation Client received an address resolution protocol (ARP) response with an unsuccessful status code.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: VCC setup is already pending to ATM destination

Meaning: A LAN Emulation Client is already in the process of setting up a Data Direct VCC to an ATM address.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: could not open <*VPI_ID/VCI_ID*> VCC for LEC <*circuit_no.*> - reason (<*reason_code*>).

Meaning: The LAN Emulation Client on this circuit could not open a Data Direct VC.

Action: Check the cause value in the ATM LAN Emulation log message that precedes this message. Also check the ATM Signaling log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: received LE_ARP_REQUEST with interesting Source Address (<*source_addr*>)

Meaning: The LAN Emulation Client (LEC) received an address resolution protocol (ARP) request that is not destined for this LEC. However, the ARP request has a Source MAC address and ATM address that this LEC knows. This LEC will update its ARP cache with this (possibly new) Source ATM address.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: replying to one of our own LE_ARPs LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit is responding to its own address resolution protocol (ARP) request.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Interesting LE_NARP received for dest <*MAC_addr*> on LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has received a NARP request indicating that this MAC address ARP cache entry is being updated with a new ATM address.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Topology change in effect for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has received a Topology request with the topology change bit set.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Topology change no longer in effect for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has received a Topology request without the topology change bit set.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: attempting to reverify unresolved LE_ARP entry for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit is reverifying one of its address resolution protocol (ARP) entries.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: completing VCC for LEC <*circuit_no.*> with valid tr_id still

Meaning: The LAN Emulation Client on this circuit has successfully updated its address resolution protocol (ARP) cache with the VCC and User-to-Network Interface (UNI) information.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: unpending LE_ARP entry but null tr_id found on LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has noticed that a pending address resolution protocol (ARP) has a NULL transaction ID.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: clearing LE-ARP cache for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit is clearing out its address resolution protocol (ARP) cache entries.

Action: The LEC clears out its ARP cache entries whenever a control VCC goes down. Look at the cause value in ATM LAN Emulation log message that precedes this message. Also check the ATM Signaling log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: already waiting for Config for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has tried to reconfigure itself in the wrong state.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Pkt not a response: discarded (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config message on this VCC, but it is not a response.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Pkt bad status (<*status_code*>) (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has received a Config response with this bad status code on this VCC.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Config Resp: LAN name is too long (length <*bytes*>)

Meaning: A LAN Emulation Client has received a Config response with a LAN name that is too log.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... Config Resp: unknown TLV type (*TLV_type*) ignored

Meaning: A LAN Emulation Client has received a Config response with a bad Type Length Value (TLV).

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Control VCC (<*VPI_ID/VCI_ID*>) dropped - leaving ELAN and cleaning up ....

Meaning: A LAN Emulation Client (LEC) has had one of its control VCCs dropped, and is removing all of its address resolution protocol (ARP) and VCC entries.

Action: This event occurs if a LAN Emulation Server (LES) goes down, or if the LEC is moved to another virtual LAN. If the LES did not go down, or if the LEC was not moved, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: deleting binding for dest <*MAC_addr*> for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit has removed the address resolution protocol (ARP) entry for this MAC address.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: Flush packet for LEC <*circuit_no.*> not joined - discarded

Meaning: The LAN Emulation Client on this circuit has received a Flush message while not in the Joined state.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: LE_READY_QUERY packet on <*VPI_ID/VCI_ID*> replied to

Meaning: A LAN Emulation Client replied to a Ready Query message.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... new lan type is <*LAN_type*>

Meaning: A LAN Emulation Client that left the LAN type as unspecified in the Join request, will now use this type.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... new max frame size is <*max_frame_size*>

Meaning: A LAN Emulation Client that left the maximum frame size as unspecified in the Join request, will now use this maximum frame size.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... different LAN name to requested one!!!

Meaning: A LAN Emulation Client (LEC) that specified a LAN name in the Join request, will now use this one instead.

Action: Use the VLAN Configuration window to move the LEC to the desired LAN.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: LEC: ... supplied LAN name is too long (length <*bytes*>)

Meaning: A LAN Emulation Client specified a virtual LAN (VLAN) name that is longer than the LAN Emulation Server can handle. The returned VLAN name and size will be used.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping Control VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has failed the Join process and is dropping this Control Direct VCC.

Action: If this continues, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/34**

Decimal Identifier **16802850**

Severity: Warning

Message: .... dropping leaf from Control VCC (<*VPI_ID/VCI_ID*>)

Meaning: A LAN Emulation Client has failed the Join process and is dropping this Control Distribute VCC.

Action: If this continues, contact the Bay Networks Technical Response Center in your area.

Info Events

Entity Code/Event Code **100/2**

Decimal Identifier **16802818**

Severity: Info

Message: Slot <*slot_no.*> : ATM LAN Emulation provided.

Meaning: LAN Emulation is available on this slot.

Entity Code/Event Code **100/3**

Decimal Identifier **16802819**

Severity: Info

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC initializing.

Meaning: The LAN Emulation Client on this circuit has registered its ATM address and has a valid LAN Emulation configuration record.

Entity Code/Event Code **100/4**

Decimal Identifier **16802820**

Severity: Info

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC configuration complete.

Meaning: The LAN Emulation Client on this circuit has successfully completed the joining state. It will now attempt to connect to the broadcast and unknown server (BUS).

Entity Code/Event Code **100/5**

Decimal Identifier **16802821**

Severity: Info

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC restarting.

Meaning: A network event (such as a control VC going down) has caused the LAN Emulation Client on this circuit to restart.

Action: View the ATM, ATM driver, and ATM Signaling logs for more information.

Entity Code/Event Code **100/6**

Decimal Identifier **16802822**

Severity: Info

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC received DP_LINE message.

Meaning: The LAN Emulation Client on this circuit has successfully registered its ATM address with the network.

Entity Code/Event Code **100/7**

Decimal Identifier **16802823**

Severity: Info

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC config record disabled.

Meaning: The LAN Emulation configuration record has been disabled.

Trace Events

Entity Code/Event Code **100/35**

Decimal Identifier **16802851**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Control SAP register confirm for reg_id <*reg_id*>.

Meaning: The LAN Emulation Client on this circuit was successful in one of its two Register Requests for control VCs.

Entity Code/Event Code **100/36**

Decimal Identifier **16802852**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC MCast SAP register confirm for reg_id <*reg_id*>.

Meaning: The LAN Emulation Client on this circuit was successful in one of its two Register Requests for multicast VCs.

Entity Code/Event Code **100/37**

Decimal Identifier **16802853**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Data SAP register confirm for reg_id <*reg_id*>.

Meaning: The LAN Emulation Client on this circuit was successful in one of two Register Requests for data VCs.

Entity Code/Event Code **100/38**

Decimal Identifier **16802854**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Control SAP binding complete.

Meaning: The LAN Emulation Client on this circuit was successful in its Bind Request for control VCs.

Entity Code/Event Code **100/39**

Decimal Identifier **16802855**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC MCast SAP binding complete.

Meaning: The LAN Emulation Client on this circuit was successful in its Bind Request for multicast VCs.

Entity Code/Event Code **100/40**

Decimal Identifier **16802856**

Severity: Trace

Message: Line <*line_no.*> : Circuit <*circuit_no.*> : ATM LEC Data SAP binding complete.

Meaning: The LAN Emulation Client on this circuit was successful in its Bind Request for Data VCs.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Bind(LE_8023_DATA): cct <*circuit_no.*> bind_id <*bind_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Bind Request for Data Direct VCs with this bind ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Bind(LE_CTRL): cct <*circuit_no.*> bind_id <*bind_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Bind Request for Control VCs with this bind ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Bind(LE_8023_MCAST): cct <*circuit_no.*> bind_id <*bind_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Bind Request for Multicast VCs with this bind ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Register(CPN): cct <*circuit_no.*> bind_id <*bind_ID*> sig_id <*sig_ID*> reg_id <*reg_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Register Request for the Called Party Number with this signaling ID (returned in the Bind Request) and register ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Register(BLLI): cct <*circuit_no.*> bind_id <*bind_ID*> sig_id <*sig_ID*> reg_id <*reg_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Register Request for the Broadband Lower Layer Information with this bind ID and register ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Called SIG_Open_VC: cct <*circuit_no.*> call_ref <*call_ref*> sig_id <*sig_ID*>

Meaning: The LAN Emulation Client on this circuit sent Signaling an Open Request with this signaling ID. Signaling returned this call reference value.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Calling SIG_Close_VC: cct <*circuit_no.*> call_ref <*call_ref*> sig_id <*sig_ID*>

Meaning: The LAN Emulation Client on this circuit is sending Signaling a Close Request with this signaling ID and call reference value.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Transitioning into the <*LE_state*> state for cct <*circuit_no.*>

Meaning: The LAN Emulation Client on this circuit just changed to this state. The following table lists the LAN Emulation states.

State	Description
ATM_LEC_INITIAL	The LEC is starting. The LEC is in the INITIAL state before it attempts to set up a connection to the LAN Emulation Configuration Server (LECS).
ATM_LEC_LECSCONNECT	The LEC is attempting to set up a connection to the LECS.
ATM_LEC_CONFIGURE	The LEC is attempting to retrieve the necessary information to begin joining a LAN. The information includes the ATM address of the LAN Emulation Server (LES), and other operation parameters (LAN type, Maximum MTU, LAN name, and time-out values).
ATM_LEC_JOIN	The LEC is attempting to join a LAN. This state includes setting up a connection both to and from the LES, and having it accept the client's join request. The client provides its MAC address, and the LES assigns an ID.
ATM_LEC_INITIAL_REG	The LEC is attempting to register multiple MAC addresses. Note that the LEC on the router provides only the local MAC address on the ATM I/O module, and therefore will not enter this state. The LEC acts as a proxy for bridge MAC addresses not learned on this circuit.
ATM_LEC_BUSCONNECT	The LEC is attempting to set up a connection both to and from the broadcast and unknown server (BUS).
ATM_LEC_OPERATIONAL	The LEC has completed all phases required to join a LAN. Applications running on this LEC can now function and should also be in the Operational state.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: LE-ARP reverifying batch of bindings for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit is reverifying all MAC address bindings.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: LE-ARP checking timed out reverifies for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit is checking whether there are any MAC addresses that have not been reverified.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Config response timed out for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit timed out while waiting for a Config Response from the LAN Emulation Configuration Server.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: CONFIG_RESP different LAN name (<*LAN_name*>) returned to that requested (<*LAN_name*>)

Meaning: A LAN Emulation Client (LEC) received a different LAN name in the Config Response than in the Config Request.

Action: Use the VLAN Configuration window to move this LEC into the desired virtual LAN.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: LEC <*circuit_no.*> successfully joined LAN <*LAN_name*> (LECID = <*LEC_ID*>)

Meaning: The LAN Emulation Client (LEC) on this circuit successfully joined this virtual LAN, and the LAN Emulation Server has assigned this LEC ID.

Entity Code/Event Code **100/41**

Decimal Identifier **16802857**

Severity: Trace

Message: LEC: Unjoin LAN for LEC <*circuit_no.*>

Meaning: The LAN Emulation Client (LEC) on this circuit either is unable to set up a Control Direct VCC to the LAN Emulation Server (LES) or has disconnected from the LES.

Action: If the LES has not been brought down, contact the Bay Networks Technical Response Center in your area.

ATM_SIG

The Asynchronous Transfer Mode Signaling service, referred to as the ATM_SIG entity, issues the following event messages. The entity code assigned to ATM_SIG events is 95.

Fault Events

Entity Code/Event Code **95/1**

Decimal Identifier **16801537**

Severity: Fault

Message: System error, service attempting restart.

Meaning: A fatal error has occurred in the Signaling code. ATM Signaling attempts to restart up to five times.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **95/2**

Decimal Identifier **16801538**

Severity: Fault

Message: Failure establishing VCC (<*VPI_ID*>/<*VCI_ID*>).

Meaning: An internal error occurred when trying to establish a VC.

Action: Contact the Bay Networks Technical Response Center in your area.

Warning Events

Entity Code/Event Code **95/14**

Decimal Identifier **16801550**

Severity: Warning

Message: Line <*line_no.*>: No ATM Signaling MIB entry found.

Meaning: The ATM Signaling service has been loaded, but the ATM Signaling MIB that initializes the service is not available.

Action: Configure the ATM Signaling MIB.

Entity Code/Event Code **95/15**

Decimal Identifier **16801551**

Severity: Warning

Message: Line <*line_no.*>: No ATM SSCOP MIB entry found.

Meaning: The ATM Service Specific Connection Oriented Protocol (SSCOP) service has been loaded, but the ATM Signaling MIB that initializes the service is not available.

Action: Configure the ATM SSCOP MIB.

Entity Code/Event Code **95/16**

Decimal Identifier **16801552**

Severity: Warning

Message: Line <*line_no.*>: No ATM ILMI MIB entry found.

Meaning: The ATM Interim Local Management Interface (ILMI) service has been loaded, but the ATM Signaling MIB that initializes the service is not available.

Action: Configure the ATM ILMI MIB.

Entity Code/Event Code **95/17**

Decimal Identifier **16801553**

Severity: Warning

Message: Service Access Point <*SAP_address*> is unavailable.

Meaning: An internal error has occurred within the ATM Signaling service. The ATM Signaling service has no knowledge of the SAP in question.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **95/18**

Decimal Identifier **16801554**

Severity: Warning

Message: The VC Open request for call_ref <*call_ref*> and SAP <*SAP_address*> has failed.

Meaning: A request for a VC has failed because the ATM Signaling service lost contact with the ATM driver.

Action: Check the configuration of ATM and LAN Emulation (LE) or IP. If the problem persists, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **95/19**

Decimal Identifier **16801555**

Severity: Warning

Message: ATM Signaling received commit response for unknown call reference <*call_ref*> on line number <*line_no.*>.

Meaning: An internal error has occurred between the ATM Signaling service and the ATM driver.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **95/20**

Decimal Identifier **16801556**

Severity: Warning

Message: A VC request for call_ref <*call_ref*> and SAP <*SAP_address*> has failed and is ignored.

Meaning: An internal error has occurred when trying to establish a VC. The ATM Signaling service has no knowledge of the VC in question.

Action: Contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **95/21**

Decimal Identifier **16801557**

Severity: Warning

Message: The maximum number of configured Service Users has been exceeded.

Meaning: The maximum number of Service Access Points has been exhausted. The application protocols, such as LAN Emulation (LE) and IP, need to attach to ATM Signaling service by way of a SAP.

Action: Check the configuration for the maximum number of SAPs that the ATM service allows.

Entity Code/Event Code **95/22**

Decimal Identifier **16801558**

Severity: Warning

Message: A Point to Multipoint connection for call_ref <*call_ref*> and SAP <*SAP_address*> has failed.

Meaning: A point to multipoint VC connection request has failed. The ATM Signaling service has no knowledge of the VC that is being used to set up the multipoint VC.

Action: Check the configuration for multipoint VC connections.

Entity Code/Event Code **95/23**

Decimal Identifier **16801559**

Severity: Warning

Message: No VC available for Point to Multipoint Event, call_ref <*call_ref*> and SAP <*SAP_address*>.

Meaning: A point to multipoint VC connection request has failed. The original VC may have been dropped during the set up of the point to multipoint VC.

Info Events

Entity Code/Event Code **95/3**

Decimal Identifier **16801539**

Severity: Info

Message: Line <*line_no.*>: ATM Signaling initiating.

Meaning: The ATM Signaling software has been loaded and is now initializing.

Entity Code/Event Code **95/4**

Decimal Identifier **16801540**

Severity: Info

Message: Line <*line_no.*>: ATM Signaling active.

Meaning: The ATM Q.93B Signaling code has finished initializing and is ready to service applications that wish to bring up VCs.

Entity Code/Event Code **95/5**

Decimal Identifier **16801541**

Severity: Info

Message: Line <*line_no.*>: ATM SSCOP active.

Meaning: The ATM Service Specific Connection Oriented Protocol (SSCOP) has initialized and connected with the switch. The control VC for Q.93B is up and available.

Entity Code/Event Code **95/6**

Decimal Identifier **16801542**

Severity: Info

Message: Line <*line_no.*>: ATM ILMI active.

Meaning: The ATM Interim Local Management Interface (ILMI) has initialized and connected with the switch. The control VC for ILMI is up and available.

Entity Code/Event Code **95/7**

Decimal Identifier **16801543**

Severity: Info

Message: Line <*line_no.*>: ATM Layer Manager terminating.

Meaning: The ATM Layer Manager (Call Control entity) has terminated. Reestablishment of the ATM Signaling stack restarts automatically.

Entity Code/Event Code **95/8**

Decimal Identifier **16801544**

Severity: Info

Message: Line <*line_no.*>: ATM Signaling terminating.

Meaning: The ATM Q.93B service has terminated. Initialization and establishment of the Signaling VC restarts automatically.

Entity Code/Event Code **95/9**

Decimal Identifier **16801545**

Severity: Info

Message: Line <*line_no.*>: ATM SSCOP terminating.

Meaning: The ATM Service Specific Connection Oriented Protocol (SSCOP) service has terminated. Initialization and connection to the switch restarts automatically.

Entity Code/Event Code **95/10**

Decimal Identifier **16801546**

Severity: Info

Message: Line <*line_no.*>: ATM ILMI terminating.

Meaning: The ATM Interim Local Management Interface (ILMI) service has terminated. Initialization and connection to the switch restarts automatically.

Entity Code/Event Code **95/11**

Decimal Identifier **16801547**

Severity: Info

Message: Line <*line_no.*>: ATM Signaling has been Disabled.

Meaning: A user has disabled the ATM Signaling MIB. The ATM service remains down until you change the MIB to Enabled.

Entity Code/Event Code **95/12**

Decimal Identifier **16801548**

Severity: Info

Message: Line <*line_no.*>: ATM SSCOP has been Disabled.

Meaning: A user has disabled the ATM Service Specific Connection Oriented Protocol (SSCOP) MIB. The ATM SSCOP service remains down until you change the MIB to Enabled.

Entity Code/Event Code **95/13**

Decimal Identifier **16801549**

Severity: Info

Message: Line <*line_no.*>: ATM ILMI has been Disabled.

Meaning: A user has disabled the ATM Interim Local Management Interface (ILMI) MIB. The ATM ILMI service remains down until you change the MIB to Enabled.

ATMINTF Events

The Asynchronous Transfer Mode Interface service, referred to as the ATMINTF entity, issues the following event messages. The entity code assigned to ATMINTF events is 76.

Fault Events

Entity Code/Event Code **76/1**

Decimal Identifier **16796673**

Severity: Fault

Message: Port <*port_no.*>: diagnostic failed with status <*status*>.

Meaning: The diagnostic process has detected a hardware failure.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **76/2**

Decimal Identifier **16796674**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The ATMALC driver encountered a problem from which it could not recover.

Action: The ATMALC driver automatically restarts so no manual intervention is necessary. However, save the log and configuration file for analysis by Bay Networks Service Personnel, should the problem persist.

Entity Code/Event Code **76/109**

Decimal Identifier **16796781**

Severity: Fault

Message: RX ATMizer status error.

Meaning: The LSI Logic ATMizer chip performs segmentation and reassembly (SAR) of ATM cells. The Receive ATMizer device encountered a problem from which it could not recover.

Action: No action is required since the Receive ATMizer automatically restarts. However, save the log and configuration file for Bay Networks to analyze.

Entity Code/Event Code **76/110**

Decimal Identifier **16796782**

Severity: Fault

Message: TX ATMizer status error.

Meaning: The LSI Logic ATMizer chip performs SAR of ATM cells. The Transmit ATMizer device encountered a problem from which it could not recover.

Action: No action is required since the Transmit ATMizer automatically restarts. However, save the log and configuration file for Bay Networks to analyze.

Warning Events

Entity Code/Event Code **76/20**

Decimal Identifier **16796692**

Severity: Warning

Message: Port <*port_no.*>: not verified with diagnostic.

Meaning: The diagnostic process did not execute to determine the health of the link module.

Action: If you desire diagnostics, reset the slot.

Entity Code/Event Code **76/21**

Decimal Identifier **16796693**

Severity: Warning

Message: Port <*port_no.*>: data path service withdrawn.

Meaning: The driver has withdrawn the service which allows protocols to transmit and receive data.

Action: Either re-enable the driver or connect the fiber connection into the physical interface.

Entity Code/Event Code **76/22**

Decimal Identifier **16796694**

Severity: Warning

Message: No RAM daughterboard installed.

Meaning: The ATM link module has no dual port memory daughterboard installed. The ATM link module must contain this daughterboard in order to initialize and execute.

Action: Remove the ATM link module and install a memory daughterboard.

Entity Code/Event Code **76/23**

Decimal Identifier **16796695**

Severity: Warning

Message: Port <*port_no.*>: dropped coprocessor command <*command*> due to full queue.

Meaning: The ATM driver is unable to issue a control command to the coprocessor entity on the link module because the queue is full.

Action: If the ATM driver failed while attempting to activate a virtual channel, re-enable the channel; otherwise, ignore this message.

Entity Code/Event Code **76/24**

Decimal Identifier **16796696**

Severity: Warning

Message: Port <*port_no.*>: control message length <*length*> too short for command <*command*>.

Meaning: The ATM driver cannot issue a control command to the coprocessor entity on the link module because the queue is full.

Action: If the ATM driver failed while attempting to activate a virtual channel, re-enable the channel; otherwise, ignore this message.

Entity Code/Event Code **76/25**

Decimal Identifier **16796697**

Severity: Warning

Message: Port <*port_no.*>: bad status (<*status*>) from coprocessor, command <*command*>.

Meaning: The ATM driver received a bad return status from the coprocessor entity resulting from a control command request.

Action: If the ATM driver failed while attempting to activate a virtual channel, re-enable the channel; otherwise, ignore this message.

Entity Code/Event Code **76/26**

Decimal Identifier **16796698**

Severity: Warning

Message: Port <*port_no.*>: unsupported opcode <*opcode*> in control message.

Meaning: The ATM driver received a control message from another entity with an unsupported operation code.

Action: If the ATM driver failed while attempting to activate a virtual channel, re-enable the channel; otherwise, ignore this message.

Entity Code/Event Code **76/27**

Decimal Identifier **16796699**

Severity: Warning

Message: Port <*port_no.*>: transceiver disconnected.

Meaning: The physical interface (transceiver) disconnected from the network. This event is analogous to loss of signal.

Action: Reconnect the fiber optic cable connection to the transceiver, check if the neighbor transceiver is operational, or verify that the fiber optic cable is not broken.

Entity Code/Event Code **76/28**

Decimal Identifier **16796700**

Severity: Warning

Message: Port <*port_no.*>: framer out of cell delineation.

Meaning: The framer device on the link module has lost cell alignment coming from the transceiver interface after being enabled.

Action: This condition is transient and the physical interface should eventually detect cell alignment. If the condition persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **76/29**

Decimal Identifier **16796701**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel (call reference <*call_reference*>) failed; AAL type not supported (<*aal_type*>).

Meaning: An attempt to activate a virtual channel connection failed because the specified ATM Adaptation Layer (AAL) type is unsupported.

Action: Reconfigure the virtual channel with a valid AAL type.

Entity Code/Event Code **76/30**

Decimal Identifier **16796702**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel (call reference <*call_reference*>) failed; no rate queue available.

Meaning: An attempt to activate a virtual channel connection failed because no internal ATM driver rate queues are available.

Action: Reconfigure the virtual channel after another virtual channel deactivates and queue space is available.

Entity Code/Event Code **76/31**

Decimal Identifier **16796703**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel (call reference <*call_reference*>) failed; maximum VCs exceeded.

Meaning: An attempt to activate a virtual channel connection failed because the interface has reached the maximum number of virtual channel connections (1024 total – 32 reserved for management features = 992 user-definable virtual channel connections).

Action: Reconfigure the virtual channel after another virtual channel deactivates and the interface no longer exceeds the maximum number of virtual channel connections.

Entity Code/Event Code **76/32**

Decimal Identifier **16796704**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel (call reference <*call_reference*>) failed; invalid traffic parameters.

Meaning: An attempt to activate a virtual channel connection failed because the traffic shaping parameters are invalid. The traffic shaping parameters are Peak Cell Rate (PCR), Sustainable Cell Rate (SCR), and Maximum Burst Size (MBS).

Action: Reconfigure the virtual channel with valid traffic-shaping parameters.

Entity Code/Event Code **76/33**

Decimal Identifier **16796705**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; already activated.

Meaning: An attempt to activate a virtual channel connection failed because the virtual channel already exists.

Action: You must either reconfigure the virtual channel with a different Virtual Path Identifier (VPI) or Virtual Channel Identifier (VCI), or disable the previous configuration of the virtual channel with the same VPI/VCI.

Entity Code/Event Code **76/34**

Decimal Identifier **16796706**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; call reference mismatch

Meaning: An attempt to activate a virtual channel connection failed because the request to commit virtual channel resources does not match the previous reservation request.

Action: Reconfigure the virtual channel.

Entity Code/Event Code **76/35**

Decimal Identifier **16796707**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; unable to create statistics record.

Meaning: An attempt to activate a virtual channel connection failed because internal resources were unavailable to store statistics.

Action: Reconfigure the virtual channel. If the warning persists, re-enable the ATM driver.

Entity Code/Event Code **76/36**

Decimal Identifier **16796708**

Severity: Warning

Message: Port <*port_no.*>: activate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; unable to insert in table.

Meaning: An attempt to activate a virtual channel connection failed because internal table resources were unavailable.

Action: Reconfigure the virtual channel. If the warning persists, re-enable the ATM driver.

Entity Code/Event Code **76/37**

Decimal Identifier **16796709**

Severity: Warning

Message: Port <*port_no.*>: deactivate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; no existence.

Meaning: An attempt to deactivate a virtual channel connection failed because the ATM driver never activated the VPI/VCI.

Entity Code/Event Code **76/38**

Decimal Identifier **16796710**

Severity: Warning

Message: Port <*port_no.*>: deactivate virtual channel VPI = <*VPI_no.*> / VCI = <*VCI_no.*> (call reference <*call_reference*>) failed; unable to delete from table.

Meaning: An attempt to deactivate a virtual channel connection failed because the ATM driver could not delete from the internal table.

Entity Code/Event Code **76/39**

Decimal Identifier **16796711**

Severity: Warning

Message: Port <*port_no.*>: unable to define output Peak Cell Rate (PCR) with value <*PCR_value*>.

Meaning: The ATM driver was unable to generate the overall PCR from the specified value.

Action: Reconfigure the overall PCR with a valid value.

Entity Code/Event Code **76/40**

Decimal Identifier **16796712**

Severity: Warning

Message: Port <*port_no.*>: unable to define output Sustainable Cell Rate (SCR) with value <*SCR_value*>.

Meaning: The ATM driver was unable to generate the overall SCR from the specified value.

Action: Reconfigure the overall SCR with a valid value.

Entity Code/Event Code **76/41**

Decimal Identifier **16796713**

Severity: Warning

Message: Port <*port_no.*>: unable to define output Maximum Burst Size (MBS) with value <*MBS_value*>.

Meaning: The ATM driver was unable to generate the overall MBS from the specified value.

Action: Reconfigure the overall MBS with a valid value.

Entity Code/Event Code **76/42**

Decimal Identifier **16796714**

Severity: Warning

Message: Port <*port_no.*>: unable to define rate queue <*rate_queue*> with value <*rate_queue_value*>.

Meaning: The ATM driver was unable to generate an internal rate queue from the specified value.

Action: Reconfigure the virtual channel that failed as a result of this event.

Entity Code/Event Code **76/43**

Decimal Identifier **16796715**

Severity: Warning

Message: Port <*port_no.*>: unable to perform operation – invalid queue number (<*queue_no.*>).

Meaning: The ATM driver was unable to perform an internal operation because of an invalid queue number.

Action: If this warning persists, re-enable the ATM driver.

Entity Code/Event Code **76/111**

Decimal Identifier **16796783**

Severity: Warning

Message: ATMizer heartbeat failure - rx = <0 | 1>, tx = <0 | 1>.

Meaning: The LSI Logic ATMizer chip performs segmentation and reassembly of ATM cells. The driver lost contact with one of the ATMizer devices that indicates that the device has encountered an unrecoverable problem. A value of 1 means the ATMizer failed; 0 means the ATMizer did not fail.

Action: No action is necessary since the driver and ATMizers automatically restart. However, save the log and configuration file for Bay Networks to analyze.

Entity Code/Event Code **76/112**

Decimal Identifier **16796784**

Severity: Warning

Message: ATMizer driver received request to <create | delete> a reserved VPI/VCI (<*VPI_ID*>/<*VCI_ID*>).

Meaning: The LSI Logic ATMizer chip performs segmentation and reassembly of ATM cells. The ATMizer driver received a request to create or delete a reserved VPI/VCI.

Action: No action is necessary. The driver rejects the request and returns an error to the calling application. However, save the log and configuration file for Bay Networks to analyze.

Entity Code/Event Code **76/124**

Decimal Identifier **16796796**

Severity: Warning

Message: DP line message failed.

Meaning: The LSI Logic ATMizer chip performs segmentation and reassembly of ATM cells. The ATMizer driver's attempt to declare the ATM interface up has failed. The driver communicates with the ATM software when attempting to bring the line up. This failure can occur if you have not configured (or you incorrectly configured) the ATM software.

Action: If you need more help, save the log and configuration file for Bay Networks to analyze.

Entity Code/Event Code **76/132**

Decimal Identifier **16796804**

Severity: Warning

Message: Unable to locate ATMizer image.

Meaning: The LSI Logic ATMizer chip performs segmentation and reassembly of ATM cells. The driver could not obtain the ATMizer microcode image from the loader. This can occur if the flash card has been removed, or the boot archive does not contain the proper executable file.

Action: Insert the flash card in its receptacle, and use the Image Builder to make sure the executable file is in the archive.

Entity Code/Event Code **76/162**

Decimal Identifier **16796834**

Severity: Warning

Message: Coprocessor heartbeat timer has stopped. Reinitializing link module.

Meaning: The ATM driver running on the motherboard periodically polls the driver running on the link module coprocessor. The link module driver did not respond within its heartbeat poll period.

Action: If the link driver does not respond to the heartbeat poll, the driver software restarts automatically, and no action is required. If the problem persists, save the log and configuration file for Bay Networks to analyze.

Entity Code/Event Code **76/163**

Decimal Identifier **16796835**

Severity: Warning

Message: Lost event(s) due to coprocessor log overflow.

Meaning: The ATM driver running on the motherboard gathers log events from the driver running on the link module coprocessor. The ATM driver has missed an event that the link driver logged.

Action: No action is necessary; however, be aware that the log may be missing some events.

Entity Code/Event Code **76/164**

Decimal Identifier **16796836**

Severity: Warning

Message: Lost string variable in previous event due to coprocessor log overflow.

Meaning: The ATM driver running on the motherboard gathers log events from the driver running on the link module coprocessor. The ATM driver has missed an event that the link driver logged.

Action: No action is necessary; however, be aware that the log may be missing some events.

Entity Code/Event Code **76/165**

Decimal Identifier **16796837**

Severity: Warning

Message: Port <*port_no.*>: framer alarmed (Loss of Signal), device unavailable. Check the cable.

Meaning: The ATM driver has experienced a Loss of Signal on the physical interface. This can occur if the cable to the ATM port has been disconnected.

Action: Reconnect the cable to the ATM port and make sure that the alarm clears. If the alarm does not clear, verify the integrity of the cable.

Entity Code/Event Code **76/166**

Decimal Identifier **16796838**

Severity: Warning

Message: Port <*port_no.*>: framer alarm cleared, device recovered.

Meaning: The ATM driver has recovered from the Loss of Signal state on the physical interface.

Entity Code/Event Code **76/172**

Decimal Identifier **16796844**

Severity: Warning

Message: Port <*port_no.*>: Loss of Cell Delineation alarm.

Meaning: The framer device on the link module has lost cell alignment coming from the ATM interface. The physical interface should eventually detect cell alignment.

Action: If the condition persists, contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **76/173**

Decimal Identifier **16796845**

Severity: Warning

Message: Port <*port_no.*>: Loss of Cell Delineation alarm cleared.

Meaning: The framer device on the link module has regained cell alignment coming from the ATM interface.

Entity Code/Event Code **76/175**

Decimal Identifier **16796847**

Severity: Warning

Message: Coprocessor and host code are not compatible! <*link_memory_bytes/ host_memory_bytes*>

Meaning: The ATM driver and the link module driver have lost synchronization, and are incompatible.

Action: Save the entire log and contact the Bay Networks Technical Response Center in your area.

Entity Code/Event Code **76/184**

Decimal Identifier **16796856**

Severity: Warning

Message: Port <*port_no.*>: Falling back from DS3 Cbit mode to DS3 M23 mode.

Meaning: The DS3 framing device on the ATM interface has determined that the device on the other side of the connection cannot support Cbit framing. As a result, the ATM DS3 driver has fallen back to DS3 M23 mode. To run Cbit framing mode over the connection, both devices must be able to support this mode.

Info Events

Entity Code/Event Code **76/3**

Decimal Identifier **16796675**

Severity: Info

Message: Service initializing.

Meaning: The ATMALC control entity is active and preparing to provide driver services to configured ports.

Entity Code/Event Code **76/4**

Decimal Identifier **16796676**

Severity: Info

Message: Port <*port_no.*>: service available.

Meaning: The ATMALC driver has completed initialization and is ready to perform driver services for Port <*port_no.*>.

Entity Code/Event Code **76/5**

Decimal Identifier **16796677**

Severity: Info

Message: Port <*port_no.*>: service withdrawn.

Meaning: The ATMALC driver has terminated driver services for Port <*port_no.*>.

Action: Re-enable the ATMALC driver if Port <*port_no.*> requires driver services.

Entity Code/Event Code **76/6**

Decimal Identifier **16796678**

Severity: Info

Message: Port <*port_no.*>: configuration deleted.

Meaning: The delete attribute in the line record has deleted the ATMALC driver. The driver no longer resides in memory.

Action: Reconfigure the ATMALC driver if Port <*port_no.*> requires driver services.

Entity Code/Event Code **76/7**

Decimal Identifier **16796679**

Severity: Info

Message: Port <*port_no.*>: enabled.

Meaning: The enable attribute in the line record has enabled the ATMALC driver. Diagnostics on the ATM link module passed successfully.

Entity Code/Event Code **76/8**

Decimal Identifier **16796680**

Severity: Info

Message: Port <*port_no.*>: disabled.

Meaning: The enable attribute in the line record has disabled the ATMALC driver. Both driver components (host and coprocessor) continue to load in system memory.

Action: Re-enable the ATMALC driver if Port <*port_no.*> requires driver services.

Entity Code/Event Code **76/9**

Decimal Identifier **16796681**

Severity: Info

Message: Port <*port_no.*>: transceiver connected.

Meaning: The physical interface (transceiver) received signal detect from a peer entity on the network and connected.

Entity Code/Event Code **76/10**

Decimal Identifier **16796682**

Severity: Info

Message: Port <*port_no.*>: data path service available.

Meaning: Data path service is available to protocols because the transceiver connected to the network.

Entity Code/Event Code **76/11**

Decimal Identifier **16796683**

Severity: Info

Message: Coprocessor image loaded on link module (<*bytes*> bytes).

Meaning: The ATMALC coprocessor driver successfully downloaded on the link module. The ATMALC driver loads the coprocessor on the link module during driver initialization.

Entity Code/Event Code **76/12**

Decimal Identifier **16796684**

Severity: Info

Message: Coprocessor initialization complete.

Meaning: The ATMALC coprocessor driver successfully initialized. The ATMALC drivers successfully configured and initialized shared data structures and are ready to provide driver services.

Entity Code/Event Code **76/13**

Decimal Identifier **16796685**

Severity: Info

Message: Port <*port_no.*>: SAR device initialization complete.

Meaning: The segmentation and reassembly (SAR) device on the link module initialized and configured successfully.

Entity Code/Event Code **76/14**

Decimal Identifier **16796686**

Severity: Info

Message: Port <*port_no.*>: framer device initialization complete.

Meaning: The framer device on the link module initialized and configured successfully.

Entity Code/Event Code **76/15**

Decimal Identifier **16796687**

Severity: Info

Message: Port <*port_no.*>: virtual channel VPI=<*VPI_no.*>/VCI=<*VCI_no.*> (call reference <*call_reference*>) activated.

Meaning: Resources are allocated and activated for the virtual channel <*VPI_no.*>/<*VCI_no.*> with the call reference <*call_reference*>.

Entity Code/Event Code **76/16**

Decimal Identifier **16796688**

Severity: Info

Message: Port <*port_no.*>: virtual channel VPI=<*VPI_no.*>/VCI=<*VCI_no.*> (call reference <*call_reference*>) deactivated.

Meaning: The virtual channel is deactivated.

Action: Re-enable (or reconfigure) the virtual channel.

Entity Code/Event Code **76/17**

Decimal Identifier **16796689**

Severity: Info

Message: Port <*port_no.*>: 100Mb/s multimode physical interface.

Meaning: The ATM physical interface is 100 Mb/s multimode fiber.

Entity Code/Event Code **76/18**

Decimal Identifier **16796690**

Severity: Info

Message: Port <*port_no.*>: SONET/SDH STS-3c OC-3 multimode physical interface.

Meaning: The ATM physical interface is SONET/SDH, STS-3c, OC-3 multimode fiber, 155.52 Mb/s.

Entity Code/Event Code **76/19**

Decimal Identifier **16796691**

Severity: Info

Message: Port <*port_no.*>: SONET/SDH STS-3c OC-3 single mode physical interface.

Meaning: The ATM physical interface is SONET/SDH, STS-3c, OC-3 single mode fiber, 155.52 Mb/s.

Entity Code/Event Code **76/178**

Decimal Identifier **16796850**

Severity: Info

Message: Port <*port_no.*>: inactivity timer expired for VC specified by VPI= <*VPI_no.*>, VCI= <*VCI_no.*>.

Meaning: The ATM driver informs the ATM software that it did not detect any transmit or receive data activity on the specified virtual circuit (VC) within a configurable period of time.

ATM software releases the VC. No data movement occurs without re-establishing the VC.

Action: If this is a permanent virtual circuit (PVC), re-establish the VC. Otherwise, no other action is required.

Chapter 3
Event Messages (BGP through EGP)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from BGP through EGP. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

BGP Events

The Border Gateway Protocol service, referred to as the BGP entity, issues the following event messages. The entity code assigned to BGP events is 52.

Fault Event

Entity Code/Event Code	**52/1**
Decimal Identifier	**16790529**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	The BGP protocol experienced a fatal error and is restarting automatically. The BGP protocol will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the BGP protocol fails to restart.

Warning Events

Entity Code/Event Code **52/2**

Decimal Identifier **16790530**

Severity: Warning

Message: Invalid Create/Delete parameter configured in wfBgp: <*no.*>

Meaning: The value of the Create/Delete parameter in wfBgp is out of range. It should be set to either 1 (created) or 2 (deleted).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/3**

Decimal Identifier **16790531**

Severity: Warning

Message: Invalid Enable/Disable parameter configured in wfBgp: <*no.*>

Meaning: The value of the Enable/Disable parameter in wfBgp is out of range. It should be set to either 1 (enabled) or 2 (disabled).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/4**

Decimal Identifier **16790532**

Severity: Warning

Message: Invalid BGP identifier configured in wfBgp: <*IP_address*>

Meaning: The BGP identifier for the BGP router identified by <*IP_address*> is invalid. The IP address may be syntactically wrong, of the wrong address class, or nonexistent on the router.

Action: Reconfigure the BGP identifier to be a valid IP address.

Entity Code/Event Code **52/5**

Decimal Identifier **16790533**

Severity: Warning

Message: Invalid BGP local AS number configured in wfBgp: <*AS_no.*>

Meaning: The autonomous system <*AS_no.*> for the local BGP router is not within the acceptable AS number range of 1 to 65535.

Action: Reconfigure the AS number on the local BGP router to be a legal value.

Entity Code/Event Code **52/6**

Decimal Identifier **16790534**

Severity: Warning

Message: Invalid EBGP debug parameter configured in wfBgp: <*no.*>

Meaning: The value of the EBGP Debug parameter in wfBgp is out of range. It should be set to either 1 (enabled) or 2 (disabled).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/7**

Decimal Identifier **16790535**

Severity: Warning

Message: Invalid Intra-AS IBGP Routing parameter configured in wfBgp: <*no.*>

Meaning: The value of the Intra-AS IBGP Routing parameter in wfBgp is out of range. It should be set to either 1 (enabled) or 2 (disabled).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/8**

Decimal Identifier **16790536**

Severity: Warning

Message: Invalid Internal Advertisement Timer configured in wfBgp3: <*no.*>

Meaning: The value of the Internal Advertisement Timer parameter in wfBgp3 is out of range. The acceptable range is greater than zero.

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/9**

Decimal Identifier **16790537**

Severity: Warning

Message: Invalid IBGP From Protocol configured in wfBgp: <*value*>

Meaning: The value of the From Protocol parameter is invalid. The acceptable values are BGP and All.

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/10**

Decimal Identifier **16790538**

Severity: Warning

Message: Invalid maximum redundant IBGP routes configured in wfBgp: <*value*>

Meaning: The value of the Max Redundant IBGP Routes parameter is invalid. The acceptable values are 1 through 255.

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/11**

Decimal Identifier **16790539**

Severity: Warning

Message: Invalid RS REQUEST Enable/Disable parameter configured in wfBGP: <*value*>

Meaning: One of the following parameters is set to an invalid value: wfBgpRouterRequestSwitch, wfBgpConnCollisionDetect, wfBgpRsTopology, wfBgpClusterIdentifier.

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/13**

Decimal Identifier **16790541**

Severity: Warning

Message: Invalid Create/Delete parameter configured in wfBgpASWeightEntry: <*no.*>

Meaning: The value of the Enable/Disable parameter in wfBgpASWeightEntry is out of range. It should be set to either 1 (created) or 2 (deleted).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/14**

Decimal Identifier **16790542**

Severity: Warning

Message: Invalid Enable/Disable parameter configured in wfBgpASWeightEntry: <*no.*>

Meaning: The value of the Enable/Disable parameter in wfBgpASWeightEntry is out of range. It should be set to either 1 (enabled) or 2 (disabled).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/15**

Decimal Identifier **16790543**

Severity: Warning

Message: Invalid class <*weight_no.*> weight configured for AS <*AS_no.*> in AS weight table

Meaning: The AS identified by <*AS_no.*> has a weight value configured that is not within the acceptable AS weight range. The acceptable AS weight range is 1 to 15, plus the infinity value of 16.

Action: Reconfigure the AS weight value for the AS to be within the acceptable range.

Entity Code/Event Code **52/16**

Decimal Identifier **16790544**

Severity: Warning

Message: Invalid AS number <*AS_no.*> configured in AS weight table

Meaning: An AS, identified by <*AS_no.*>, in the AS weight table is out of range. The acceptable AS number range is 1 to 65535.

Action: Reconfigure the AS number value for this AS Weight table entry to be within the acceptable range.

Entity Code/Event Code **52/17**

Decimal Identifier **16790545**

Severity: Warning

Message: Invalid Create/Delete parameter configured in wfBgpPeerEntry: <*no.*>

Meaning: The value of the Create/Delete parameter in wfBgpPeerEntry is out of range. It should be set to either 1 (created) or 2 (deleted).

Action: Set this parameter to an appropriate value.

Entity Code/Event Code **52/18**

Decimal Identifier **16790546**

Severity: Warning

Message: Invalid Enable/Disable parameter configured in wfBgpPeerEntry: <*no.*>

Meaning: The value of the Enable/Disable parameter in wfBgpPeerEntry is out of range. It should be set to either 1 (enabled) or 2 (disabled).

Action: Set this parameter to the appropriate value.

Entity Code/Event Code **52/19**

Decimal Identifier **16790547**

Severity: Warning

Message: Invalid Local IP address configured in wfBgpPeerEntry: <*IP_address*>

Meaning: The IP address <*IP_address*> of the Local peer is invalid. It may be syntactically wrong, of the wrong address class, or nonexistent on the router.

Action: Reconfigure the local IP address to be a valid IP address.

Entity Code/Event Code **52/20**

Decimal Identifier **16790548**

Severity: Warning

Message: Invalid Remote IP address configured in wfBgpPeerEntry: <*IP_address*>

Meaning: The IP address <*IP_address*> of the remote peer on this BGP peer connection is invalid. It may be syntactically wrong, of the wrong address class, or nonexistent on the router.

Action: Reconfigure the remote IP address to be a valid IP address.

Entity Code/Event Code **52/21**

Decimal Identifier **16790549**

Severity: Warning

Message: Local and Remote IP addresses on different subnets in wfBgpPeerEntry: Local: <*IP_address1*> Remote <*IP_address_2*>

Meaning: The local peer identified by <*IP_address1*> and the remote peer identified by <*IP_address_2*> are not on the same subnet.

Action: Check each peer's IP address and reconfigure as necessary.

Entity Code/Event Code **52/22**

Decimal Identifier **16790550**

Severity: Warning

Message: Invalid Keep Alive Timer configured in wfBgpPeerEntry: <*sec*>

Meaning: The value of the Keep Alive Timer for this connection is not within the valid range (greater than 0). The Keep Alive Timer specifies how often Keep Alive messages will be sent across this peer connection.

Action: Reconfigure the parameter with a valid number of seconds.

Entity Code/Event Code **52/23**

Decimal Identifier **16790551**

Severity: Warning

Message: Invalid AS origination interval configured in wfBgpPeerEntry: <*sec*>

Meaning: The value for the minimum AS origination interval timer is not within the valid range (greater than 0).

Action: Reconfigure the parameter with the valid number of seconds.

Entity Code/Event Code **52/24**

Decimal Identifier **16790552**

Severity: Warning

Message: Invalid External Advertisement Timer configured in wfBgpPeerEntry: <*sec*>

Meaning: The value of the External Advertisement Timer for this connection is not within the valid range (greater than 0). The External Advertisement Timer dictates the maximum amount of time allowed between EBGP updates.

Action: Reconfigure the External Advertisement Timer for this connection.

Entity Code/Event Code **52/25**

Decimal Identifier **16790553**

Severity: Warning

Message: Invalid minimum BGP version configured in wfBgpPeerEntry: <*BGP_version_no.*>

Meaning: The value of the minimum BGP version parameter in wfBgpPeerEntry is out of range. It should be set to 3 (BGP version 3) or 4 (BGP version 4).

Action: Set this parameter to 3 or 4.

Entity Code/Event Code **52/26**

Decimal Identifier **16790554**

Severity: Warning

Message: Invalid maximum BGP version configured in wfBgpPeerEntry: <*BGP_version_no.*>

Meaning: The value of the maximum BGP version parameter in wfBgpPeerEntry is out of range. It should be set to 3 (BGP version 3) or 4 (BGP version 4).

Action: Set this parameter to 3 or 4.

Entity Code/Event Code **52/27**

Decimal Identifier **16790555**

Severity: Warning

Message: Invalid local AS configured in wfBgpPeerEntry: <*AS_no.*>

Meaning: The local AS, identified by <*AS_no.*>, has an invalid AS number configured; it is out of range. The acceptable AS number range is 1 to 65535.

Action: Reconfigure the local AS to be within the valid range.

Entity Code/Event Code **52/28**

Decimal Identifier **16790556**

Severity: Warning

Message: Invalid remote AS configured in wfBgpPeerEntry: <*AS_no.*>

Meaning: The remote AS, identified by <*AS_no.*>, has an invalid AS number configured; it is out of range. The acceptable AS number range is 1 to 65535.

Action: Reconfigure the remote AS to be within the valid range.

Entity Code/Event Code **52/29**

Decimal Identifier **16790557**

Severity: Warning

Message: Invalid maximum update size configured in wfBgpPeerEntry: <*bytes*>

Meaning: The maximum size of Update messages is an invalid number of bytes.

Action: Reconfigure the parameter with the valid number of bytes.

Entity Code/Event Code **52/30**

Decimal Identifier **16790558**

Severity: Warning

Message: Invalid route echoing switch parameter configured in wfBgpPeerEntry: <*enable/disable*>

Meaning: The Route Echo Switch parameter does not contain either of the valid values (Enabled or Disabled).

Action: Reconfigure the parameter with a valid switch value.

Entity Code/Event Code **52/31**

Decimal Identifier **16790559**

Severity: Warning

Message: Invalid discard duplicate route switch parameter in wfBgpPeerEntry: <*value*>

Meaning: The Discard Duplicate Route Switch parameter is set to a value other than Enabled or Disabled.

Action: Reconfigure the parameter with the appropriate value.

Entity Code/Event Code **52/34**

Decimal Identifier **16790562**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Message Header Error, Connection Not Synchronized

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected a Message Header Error with the subcode Connection Not Synchronized.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/35**

Decimal Identifier **16790563**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Message Header Error, Bad Message Length

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected a Message Header Error with the subcode Bad Message Length.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/36**

Decimal Identifier **16790564**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Message Header Error, Bad Message Type

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected a Message Header Error with the subcode Bad Message Type.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/37**

Decimal Identifier **16790565**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Unsupported Version Number

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Open Message Error with the subcode Unsupported Version Number.

Action: If the connection comes up after this event occurs, version negotiation occurred between the BGP peers and there is no problem. If the connection does not come up, check to see that the remote peer is running BGP-3.

Entity Code/Event Code **52/38**

Decimal Identifier **16790566**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Bad Peer AS

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Open Message Error with the subcode Bad Peer AS.

Action: Make sure the Remote AS number configured for this connection matches the peer router's AS number.

Entity Code/Event Code **52/39**

Decimal Identifier **16790567**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Bad BGP Identifier

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Open Message Error with the subcode Bad BGP Identifier.

Action: The BGP identifier in the received Open message was malformed. Confirm this using a line trace.

Entity Code/Event Code **52/40**

Decimal Identifier **16790568**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Unsupported Authentication Code

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> is experiencing an Open Message Error with the subcode Unsupported Authentication Code.

Action: The peer requested a nondefault authentication scheme. The Bay Networks BGP-3 implementation cannot support any nondefault schemes.

Entity Code/Event Code **52/41**

Decimal Identifier **16790569**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Authentication Failure

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Open Message Error with the subcode Authentication Failure.

Action: This should not occur, because nondefault authentication schemes are not supported.

Entity Code/Event Code **52/42**

Decimal Identifier **16790570**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Bad BGP RS optional Parm

Meaning: The optional parameter in a route server to route server connection is invalid.

Action: Verify the configuration of the route server peer.

Entity Code/Event Code **52/43**

Decimal Identifier **16790571**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Bad BGP RS Cluster ID <*value*>

Meaning: The cluster ID of the peer does not match the local cluster ID. For an internal connection, the IDs must be the same. For an external connection, the IDs must be different.

Action: Set the remote cluster ID appropriately.

Entity Code/Event Code **52/44**

Decimal Identifier **16790572**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: OPEN Message Error, Bad BGP RS Version <*no.*>

Meaning: Open message is not Route Server Version 1.

Action: BGP supports only Version 1.

Entity Code/Event Code **52/45**

Decimal Identifier **16790573**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Malformed Attribute List

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Malformed Attribute List.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/46**

Decimal Identifier **16790574**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Unrecognized Well-known Attribute

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Unrecognized Well-known Attribute.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/47**

Decimal Identifier **16790575**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Missing Well-known Attribute

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Missing Well-known Attribute.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/48**

Decimal Identifier **16790576**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Attribute Flags Error

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Attribute Flags Error.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/49**

Decimal Identifier **16790577**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Attribute Length Error

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Attribute Length Error.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/50**

Decimal Identifier **16790578**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Invalid ORIGIN Attribute

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Invalid Origin Attribute.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/51**

Decimal Identifier **16790579**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, AS Routing Loop

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode AS Routing Loop.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/52**

Decimal Identifier **16790580**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Invalid NEXT_HOP Attribute

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Invalid Next Hop Attribute.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/53**

Decimal Identifier **16790581**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Optional Attribute Error

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Optional Attribute Error.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/54**

Decimal Identifier **16790582**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Invalid Network Field

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected an Update Message Error with the subcode Invalid Network Field.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/55**

Decimal Identifier **16790583**

Severity: Warning

Message: Invalid Network <*IP_address*> Field

Meaning: BGP detected an Update Message Error.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/56**

Decimal Identifier **16790584**

Severity: Warning

Message: Invalid Net Prefix Length <*value*>

Meaning: BGP detected an Update Message Error.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/57**

Decimal Identifier **16790585**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: NOTIFICATION Message Error, Invalid Error Code

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected a Notification Message Error with the subcode Invalid Error Code.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/58**

Decimal Identifier **16790586**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: NOTIFICATION Message Error, Invalid Error Subcode

Meaning: The BGP peer connection identified by <*IP_address*> — <*IP_address*> detected a Notification Message Error with the subcode Invalid Error Subcode.

Action: If this occurs regularly, you must use a line trace to determine whether the peer is sending erroneous data.

Entity Code/Event Code **52/59**

Decimal Identifier **16790587**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Hold Timer expired

Meaning: The Hold Timer has expired on the BGP peer connection identified by <*IP_address*> — <*IP_address*>. The Hold Timer dictates the maximum amount of time allowed between Keepalive messages for the BGP speakers on this connection.

Action: The router will try to re-establish the BGP connection with the peer.

Entity Code/Event Code **52/60**

Decimal Identifier **16790588**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Finite State Machine Error

Meaning: A BGP event occurred in an unexpected state.

Action: Save the log; call the Bay Networks Technical Response Center.

Entity Code/Event Code **52/61**

Decimal Identifier **16790589**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Cease

Meaning: The connection identified by <*IP_address*> — <*IP_address*> is coming down.

Action: The connection was terminated either by local disabling or because a Notification was received. If the connection is locally enabled, it will attempt to re-connect.

Entity Code/Event Code **52/62**

Decimal Identifier **16790590**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: Hold timers do not match. Local: <*value*> Remote: <*value*> Using: <*value*>

Meaning: The hold timer values do not match.

Action: Specify the correct values.

Entity Code/Event Code **52/63**

Decimal Identifier **16790591**

Severity: Warning

Message: Connection <*IP_address*> — <*IP_address*>: UPDATE Message Error, Malformed AS Path attribute

Meaning: The AS Path attribute in the Update Message is invalid.

Action: Terminate the connection.

Entity Code/Event Code **52/64**

Decimal Identifier **16790592**

Severity: Warning

Message: First AS in path must be peer's AS

Meaning: The AS Path attribute in the Update Message is invalid.

Action: Terminate the connection.

Entity Code/Event Code **52/65**

Decimal Identifier **16790593**

Severity: Warning

Message: Invalid accept rule action <*action*> — assumed IGNORE

Meaning: BGP has detected a policy with an invalid action parameter and is taking the default action of ignoring Update messages that match the policy.

Action: Reconfigure the policy.

Entity Code/Event Code **52/66**

Decimal Identifier **16790594**

Severity: Warning

Message: Connection <*IP_address*>-<*IP_address*>: NOTIFICATION Message <*message*> Error code <*value*>, subcode <*value*>

Meaning: BGP has received a Notification Message containing one of the following codes:

Error Code	Associated Error Subcode
Message Header Error (1)	(1) Connection not synchronized (2) Bad Message Length (3) Bad Message Type
Open Message Error (2)	(1) Unsupported version number (2) Bad Peer AS (3) Bad BGP Identifier (4) Unsupported Authentication Code (5) Authentication Failure (6) Unacceptable Hold Time
Update Message Error (3)	(1) Malformed attribute list (2) Unrecognized well-known attribute (3) Missing well-known attribute (4) Attribute flags error (5) Attribute length error (6) Invalid Origin attribute (7) AS routing loop (8) Invalid Next Hop attribute (9) Optional attribute error (10) Invalid Network field (11) Malformed AS_PATH
Hold Timer Expired (4)	No subcodes
Finite State Machine Error (5)	No subcodes
Cease (6)	No subcodes

Action: Take the appropriate action for the error.

Entity Code/Event Code **52/67**

Decimal Identifier **16790595**

Severity: Warning

Message: BGP internal inconstancy

Meaning: BGP has detected an internal error.

Action: Save the log; call the Bay Networks Technical Response Center.

Entity Code/Event Code **52/68**

Decimal Identifier **16790596**

Severity: Warning

Message: BGP is down on slots <*slots_nos.*>

Meaning: The connection on the specified slot is terminated.

Action: Attempt to re-establish the connection.

Info Events

Entity Code/Event Code **52/69**

Decimal Identifier **16790597**

Severity: Info

Message: BGP initializing.

Meaning: BGP is properly initializing.

Entity Code/Event Code **52/70**

Decimal Identifier **16790598**

Severity: Info

Message: BGP terminating.

Meaning: BGP is properly terminating.

Entity Code/Event Code **52/71**

Decimal Identifier **16790599**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> initializing.

Meaning: The BGP connection identified by <*IP_address*> — <*IP_address*> is coming up.

Note: *BGP events 52/72 through 52/77 trace the transitions of the BGP Finite State Machine (FSM).*

Entity Code/Event Code **52/72**

Decimal Identifier **16790600**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: Idle

Meaning: The BGP FSM for the specified connection is in the Idle State. In this initial state BGP refuses all incoming BGP connections. No resources are allocated to the BGP neighbor. In response to the Start event the router or BNX initializes all BGP resources, starts the ConnectRetry timer, initiates a transport connection to other BGP peer, while listening for connection that may be initiated by the remote BGP peer, and changes its state to Connect. Any other event received in the Idle state is ignored.

Entity Code/Event Code **52/73**

Decimal Identifier **16790601**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: Connect

Meaning: The BGP FSM for the specified connection is in the Idle State. In the Connect State, BGP waits for the transport protocol connection to be completed. If the transport protocol connection succeeds, the router or BNX clears the ConnectRetry timer, completes initialization, sends an OPEN message to its peer, and changes its state to OpenSent.

If the transport protocol connect fails, the router or BNX restarts the ConnectRetry timer, continues to listen for a connection that may be initiated by the remote BGP peer, and transitions to the Active state. In response to the ConnectRetry timer expired event, the router or BNX restarts the ConnectRetry timer, initiates a transport connection to the remote BGP peer, continues to listen for a connection that may be initiated by the remote BGP peer, and stays in the Connect state.

While in the Connect State, the router or BNX ignores a Start event. In response to any other event, the router or BNX releases all BGP resources allocated to this connection and transitions to the Idle State.

Entity Code/Event Code **52/74**

Decimal Identifier **16790602**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: Active

Meaning: The BGP FSM for the specified connection is in the Active State. In the Active State, BGP attempts to acquire a BGP neighbor by initiating a transport protocol connection. If the transport protocol connection succeeds, the router or BNX clears the ConnectRetry timer, completes initialization, sends an OPEN message to its peer, sets its hold timer to a large value, and changes its state to OpenSent.

In response to the ConnectRetry timer expired event, the router or BNX restarts the ConnectRetry timer, initiates a transport connection to the remote BGP peer, continues to listen for a connection that may be initiated by the remote peer, and transitions to the Connect State.

If the router or BNX detects that a remote peer is trying to establish BGP connection to it, and the IP address of the remote peer is not an expected one, the router or BNX restarts the ConnectRetry timer, rejects the attempted connection, continues to listen for a connection that may be initiated by the remote BGP peer, and stays in the Active state.

While in the Connect State, the router or BNX ignores a Start event. In response to any other event, the router or BNX releases all BGP resources allocated to this connection and transitions to the Idle State.

Entity Code/Event Code **52/75**

Decimal Identifier **16790603**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: OpenSent

Meaning: The BGP FSM for the specified connection is in the OpenSent State. In the OpenSent State, BGP waits for an OPEN message from its remote BGP peer. Upon receipt of an OPEN message, BGP parses the message for correctness and checks for a possible connection collision. If it detects an error, BGP closes the BGP and transport level connection, releases all resources allocated to this connection, and transitions to the Idle State. If there are no errors found in the OPEN message, BGP transmits a KEEPALIVE message, sets a Keepalive timer, replaces the hold timer value with the value contained in the OPEN message, and transitions to the OpenConfirm State.

If BGP receives a disconnect notification from the transport protocol, it closes the BGP connection, restarts the ConnectRetry timer, continues to listen for a connection that may be initiated by the remote peer, and transitions to the Active State.

If the hold timer expires, or if a Stop event occurs, BGP transmits a NOTIFICATION message containing either a Hold Timer Expired or Cease error code, and transitions to the Idle State.

While in the OpenSent State, the router or BNX ignores a Start event. In response to any other event, the router or BNX transmits a NOTIFICATION message containing a Cease error code, releases all BGP resources allocated to this connection, and transitions to the Idle State.

Entity Code/Event Code **52/76**

Decimal Identifier **16790604**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: OpenConfirm

Meaning: The BGP FSM for the specified connection is in the OpenConfirm State. In the OpenConfirm State, BGP waits for a KEEPALIVE or NOTIFICATION message from its remote BGP peer. If the Keepalive timer expires, BGP transmits a KEEPALIVE message, and restarts the Keepalive timer. Upon receipt of a KEEPALIVE message from the remote peer, BGP transitions to the Established State. Upon receipt of a NOTIFICATION message from the remote peer, BGP releases all BGP resources allocated to this connection, and transitions to the Idle State.

If BGP receives a disconnect notification from the transport protocol, it releases all BGP resources allocated to this connection, and transitions to the Idle State.

If a Stop event occurs, BGP transmits a NOTIFICATION message containing a Cease error code, and transitions to the Idle State.

While in the OpenConfirm State, the router or BNX ignores a Start event. In response to any other event, the router or BNX transmits a NOTIFICATION message containing a FSM error code, releases all BGP resources allocated to this connection, and transitions to the Idle State.

Entity Code/Event Code **52/77**

Decimal Identifier **16790605**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> : FSM: Established

Meaning: The BGP FSM for the specified connection is in the Established State. In the Established State, BGP exchanges UPDATE, NOTIFICATION, and KEEPALIVE messages with its remote BGP peer.

Upon receipt of a valid UPDATE or KEEPALIVE message, the router or BNX restarts its Holdtime timer. Upon receipt of a NOTIFICATION message, the router or BNX transitions to the Idle State.

If the router or BNX receives an erroneous UPDATE message, it transmits a NOTIFICATION message and transitions to the Idle State.

If BGP receives a disconnect notification from the transport protocol, it releases all BGP resources allocated to this connection, and transitions to the Idle State.

If the Holdtime timer expires, the router or BNX transmits s a NOTIFICATION message with Hold Timer Expired error code and transitions to the Idle State. If the KeepAlive timer expires, the router or BNX transmits a KEEPALIVE message and restarts its KeepAlive timer.

If a Stop event occurs, BGP transmits a NOTIFICATION message containing a Cease error code, and transitions to the Idle State.

While in the Established State, the router or BNX ignores a Start event. In response to any other event, the BNX transmits a NOTIFICATION message containing a FSM error code, releases all BGP resources allocated to this connection, deletes all routes derived from this connection, and transitions to the Idle State.

Entity Code/Event Code **52/78**

Decimal Identifier **16790606**

Severity: Info

Message: Connection <*IP_address*> — <*IP_address*> terminated.

Meaning: The BGP connection identified by <*IP_address*> — <*IP_address*> has gone down.

BGP3 Events

The Border Gateway Protocol Version 3 service, referred to as the BGP3 entity, issues the following event messages. The entity code assigned to BGP3 events is 53.

Fault Event

Entity Code/Event Code **53/1**

Decimal Identifier **16790785**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The BGP3 protocol experienced a fatal error and is restarting automatically. The BGP3 protocol will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the BGP3 protocol fails to restart.

Warning Events

Entity Code/Event Code **53/2**

Decimal Identifier **16790786**

Severity: Warning

Message: Invalid Create/Delete parameter configured in wfBgp3: <*attribute_value*>

Meaning: The wfBgp3Delete MIB attribute has been set to an invalid value, specified by <*attribute_value*>.

Action: Set the attribute to 1 (Created), or 2 (Deleted).

Entity Code/Event Code **53/3**

Decimal Identifier **16790787**

Severity: Warning

Message: Invalid Enable/Disable parameter configured in wfBgp3: <*attribute_value*>

Meaning: The wfBgp3Disable MIB attribute has been set to an invalid value, specified by <*attribute_value*>.

Action: Set the attribute to 1 (Enabled), or 2 (Disabled).

Info Events

Entity Code/Event Code **53/4**

Decimal Identifier **16790788**

Severity: Info

Message: BGP-3 service initializing

Meaning: The BGP-3 protocol is properly initializing.

Entity Code/Event Code **53/5**

Decimal Identifier **16790789**

Severity: Info

Message: BGP-3 service terminating

Meaning: The BGP-3 protocol is properly terminating.

BGP4 Events

The Border Gateway Protocol Version 4 service, referred to as the BGP4 entity, issues the following event messages. The entity code assigned to BGP4 events is 72.

Fault Event

Entity Code/Event Code **72/1**

Decimal Identifier **16795649**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The BGP-4 protocol experienced a fatal error and is restarting automatically. The BGP3 protocol will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the BGP-4 protocol fails to restart.

Warning Events

Entity Code/Event Code **72/2**

Decimal Identifier **16795650**

Severity: Warning

Message: Invalid Create/Delete parameter configured in wfBgp4: <*attribute_value*>

Meaning: The wfBgp4Delete MIB attribute has been set to an invalid value, specified by <*attribute_value*>.

Action: Set the attribute to 1 (Created), or 2 (Deleted).

Entity Code/Event Code **72/3**

Decimal Identifier **16795651**

Severity: Warning

Message: Invalid Enable/Disable parameter configured in wfBgp4: <*attribute_value*>

Meaning: The wfBgp4Disable MIB attribute has been set to an invalid value, specified by <*attribute_value*>.

Action: Set the attribute to 1 (Enabled), or 2 (Disabled).

Info Events

Entity Code/Event Code **72/4**

Decimal Identifier **16795652**

Severity: Info

Message: BGP-4 service initializing

Meaning: The BGP-4 protocol is properly initializing.

Entity Code/Event Code **72/5**

Decimal Identifier **16795653**

Severity: Info

Message: BGP-4 service terminating

Meaning: The BGP-4 protocol is properly terminating.

BISYNC Events

The bisynchronous driver service, referred to as the BISYNC entity, issues the following event messages. The entity code assigned to BISYNC events is 105.

Fault Events

Entity Code/Event Code **105/1**

Decimal Identifier **16804097**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the driver fails to restart.

Warning Events

Entity Code/Event Code **105/2**

Decimal Identifier **16804098**

Severity: Warning

Message: Connector COM <*connector_no.*> out of range.

Meaning: The bisynchronous connector COM <*connector_no.*> is invalid and will be ignored.

Action: Modify the configuration file to accurately describe the link module described in the specified slot.

Entity Code/Event Code **105/3**

Decimal Identifier **16804099**

Severity: Warning

Message: Connector COM <*connector_no.*> not verified with diagnostic.

Meaning: Power-up diagnostics aborted or did not run on the bisynchronous connection COM <*connector_no.*>.

Action: Rerun power-up diagnostics by issuing the Technician Interface **diags** command to the slot in question if you wish to verify COM <*connector_no.*> integrity.

Entity Code/Event Code **105/62**

Decimal Identifier **16804158**

Severity: Warning

Message: Connector COM <*connector_no.*> Data Comms equipment (DCE) unavailable (connection indicator sig lost).

Meaning: The connection signal on the specified bisynchronous connection has disappeared.

Action: Check the cables and connections.

Entity Code/Event Code **105/63**

Decimal Identifier **16804159**

Severity: Warning

Message: Connector COM <*connector_no.*>: Configured MTU of <*value_1*> is too large, use <*value_2*> or smaller.

Meaning: The MTU on the specified bisynchronous connection is too large.

Action: Reconfigure the MTU for the specified bisynchronous connector so that it is equal to or less than the value specified by <*value_2*>

Info Events

Entity Code/Event Code **105/8**

Decimal Identifier **16804104**

Severity: Info

Message: Service initializing.

Meaning: The bisynchronous driver is initializing.

Entity Code/Event Code **105/9**

Decimal Identifier **16804105**

Severity: Info

Message: Connector COM <*connector_no.*> disabled - bisync.

Meaning: You disabled the bisynchronous connection COM <*connector_no.*>.

Entity Code/Event Code **105/10**

Decimal Identifier **16804106**

Severity: Info

Message: Connector COM <*connector_no.*> enabled -bisync.

Meaning: You enabled the bisynchronous connection COM <*connector_no.*>.

Entity Code/Event Code **105/11**

Decimal Identifier **16804107**

Severity: Info

Message: Connector COM <*connector_no.*> configuration deleted.

Meaning: You deleted the record for the bisynchronous connection COM <*connector_no.*> from the configuration.

Entity Code/Event Code **105/12**

Decimal Identifier **16804108**

Severity: Info

Message: Connector COM <*connector_no.*> providing BISYNC service.

Meaning: The specified bisynchronous connection is providing BISYNC service.

Entity Code/Event Code **105/14**

Decimal Identifier **16804110**

Severity: Info

Message: Connector COM <*connector_no.*> BISYNC service withdrawn.

Meaning: The specified bisynchronous connection is no longer providing BISYNC service.

BOD Events

The Bandwidth-On-Demand service, referred to as the BOD entity, issues the following event messages. The entity code assigned to BOD events is 54.

Fault Event

Entity Code/Event Code **54/1**

Decimal Identifier **16791041**

Severity: Fault

Message: System error, service attempting restart.

Meaning: Bandwidth-on-demand service experienced a fatal error and is restarting automatically. It will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if dial backup fails to restart.

Info Events

Entity Code/Event Code **54/2**

Decimal Identifier **16791042**

Severity: Info

Message: Service up on circuit <*circuit_no.*>.

Meaning: Bandwidth-on-demand service is operating for this circuit.

Entity Code/Event Code **54/3**

Decimal Identifier **16791043**

Severity: Info

Message: Congestion detected on circuit <*circuit_no.*>.

Meaning: The primary line is congested.

Entity Code/Event Code **54/4**

Decimal Identifier **16791044**

Severity: Info

Message: Congestion cleared on circuit <*circuit_no.*>.

Meaning: The primary line is no longer congested.

Entity Code/Event Code **54/5**

Decimal Identifier **16791045**

Severity: Info

Message: Forced dial-up received on circuit <*circuit_no.*>.

Meaning: The router has forced a connection over this circuit.

Entity Code/Event Code **54/6**

Decimal Identifier **16791046**

Severity: Info

Message: Forced take-down received on circuit <*circuit_no.*>.

Meaning: The router has brought down the connection over this circuit.

Entity Code/Event Code **54/7**

Decimal Identifier **16791047**

Severity: Info

Message: Unable to bring up the secondary line for circuit <*circuit_no.*>.

Meaning: The router cannot bring up the secondary line to relieve the congested primary line.

BOOT Events

The Router Boot Operation service, referred to as the BOOT entity, issues the following event messages. The entity code assigned to BOOT events is 22.

Fault Event

Entity Code/Event Code **22/1**

Decimal Identifier **16782849**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The boot server experienced a fatal error and is restarting automatically. It will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to boot.

Warning Events

Entity Code/Event Code **22/2**

Decimal Identifier **16782849**

Severity: Warning

Message: Slot <*slot_no.*> bootstrap has incompatible revision <*old_release_ID*>, upgrade to <*new_release_ID*>

Meaning: The boot server detected that the boot image is not up to date.

Action: Upgrade the bootstrap PROMS on the slot <*slot_no.*> to the current release.

Entity Code/Event Code **22/5**

Decimal Identifier **16782853**

Severity: Warning

Message: Named boot specified, but not for this volume

Meaning: A named boot procedure was initiated on a router or BNX platform that has more than one flash memory card. All slot(s) that have flash cards, but are not involved in the boot procedure, generate this warning.

Entity Code/Event Code **22/8**

Decimal Identifier **16782856**

Severity: Warning

Message: Error encountered during reading of boot image

Meaning: The boot server cannot read the boot image.

Action: Restore the boot image and try to boot again.

Entity Code/Event Code **22/9**

Decimal Identifier **16782857**

Severity: Warning

Message: Boot image <*image_name*> is not in executable format

Meaning: The boot server detects a formatting error in the boot image.

Action: Restore the boot image and try to boot again.

Entity Code/Event Code **22/11**

Decimal Identifier **16782859**

Severity: Warning

Message: Checksum error encountered in image <*image_name*>

Meaning: The boot server detected a checksum error in the boot image.

Action: Restore the boot image.

Entity Code/Event Code **22/14**

Decimal Identifier **16782859**

Severity: Warning

Message: Boot client could not acquire a buffer

Meaning: The boot client could not acquire a buffer due to a buffer shortage.

Action: Reset the slot that received this warning.

Entity Code/Event Code **22/20**

Decimal Identifier **16782868**

Severity: Warning

Message: Checksum failure: expected = <*checksum_read*>, actual = <*checksum_calculated*>, retrying...

Meaning: The boot client detected a checksum error and is restarting the boot process with a boot server. The slot that produced this warning will become a boot client, and will boot itself after receiving an image from a boot server on another slot.

Entity Code/Event Code **22/22**

Decimal Identifier **16782870**

Severity: Warning

Message: Client received unexpected opcode <*operation_code*>, expected <*operation_code*>

Meaning: The boot client received an unexpected response from the boot server during the boot process. The boot client ignores the response and the boot process continues.

Entity Code/Event Code **22/23**

Decimal Identifier **16782871**

Severity: Warning

Message: Server received unexpected opcode <*operation_code*>, expected <*operation_code*>

Meaning: The boot server received an unexpected request from the boot client during the boot process. The boot server ignores the request and the boot process continues.

Entity Code/Event Code **22/24**

Decimal Identifier **16782872**

Severity: Warning

Message: Decompressor encountered a bad compressed image checksum

Meaning: The boot server detected an image checksum error before decompressing a compressed image. The slot that generated this warning will become a boot client and boot itself after receiving an image from a boot server on another slot.

Entity Code/Event Code **22/25**

Decimal Identifier **16782873**

Severity: Warning

Message: Decompressor encountered a bad uncompressed image checksum

Meaning: The boot server detected an image checksum error after decompressing a compressed image. The slot that generated this warning will become a boot client and boot itself after receiving an image from a boot server on another slot.

Entity Code/Event Code **22/26**

Decimal Identifier **16782874**

Severity: Warning

Message: *This event can display one of the following messages:*
Open of <*image_name*> failed
Read of <*image_name*> file header failed
Read of <*image_name*> failed
Boot server revision not compatible with Bootstrap revision

Meaning: The file system was unable to open or read the boot image.

Action: Verify that you have the correct boot image, reinstall it, and reboot the router or BNX platform.

Entity Code/Event Code **22/27**

Decimal Identifier **16782875**

Severity: Warning

Message: Boot image <*image_name*> does not support platform type

Meaning: You are using the wrong boot image for the platform.

Action: Install the correct boot image and reboot the router or BNX platform.

Entity Code/Event Code **22/28**

Decimal Identifier **16782876**

Severity: Warning

Message: Couldn't find kernel archive <*image_name*>

Meaning: The expected kernal for this image wasn't found. You are using the wrong image or the image was corrupted.

Action: Verify that you have the correct boot image. If the boot image is the correct type, it may have been corrupted. Use Image Builder to repair the image module. See *Modifying Software Images for Routers* for information.

BOOTP Events

The Bootstrap Protocol service, referred to as the BOOTP entity, issues the following event messages. The entity code assigned to BOOTP events is 59.

Fault Events

Entity Code/Event Code **59/1**

Decimal Identifier **16792321**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The BOOTP relay agent experienced a fatal error and is restarting automatically. BOOTP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if BOOTP fails to restart.

Entity Code/Event Code **59/9**

Decimal Identifier **16792329**

Severity: Fault

Message: System error, service attempting restart.

Meaning: During a network boot, a system error occurred from which the BOOTP client could not recover.

Action: The BOOTP client will restart up to five times. Review log messages logged before this event. The log messages preceding this one should give more specific information on why a system error occurred.

Entity Code/Event Code **59/10**

Decimal Identifier **16792330**

Severity: Fault

Message: Could not obtain config file... entering diags.

Meaning: During a network boot, one of the following occurred:

- The client could not obtain the system configuration file from the router's or BNX platform's file system.
- The router or BNX platform could not obtain the system configuration file over the network via TFTP.

Action: Verify that the specified configuration file exists on the router's or BNX platform's file system, or on some other file system (accessible via TFTP), so that the router or BNX platform can obtain the file. After ensuring that the configuration file is accessible to the router or BNX platform, boot the system from diagnostics.

Entity Code/Event Code **59/11**

Decimal Identifier **16792331**

Severity: Fault

Message: Could not obtain image file... entering diags.

Meaning: During a network boot, one of the following occurred:

- The client could not obtain the system image file from the router's or BNX platform's file system.
- The router or BNX platform could not obtain the system image file over the network via TFTP.

Action: Verify that the specified image file exists on the router's or BNX platform's file system, or on some other file system (accessible via TFTP), so that the router or BNX platform can obtain the file. After ensuring that the image file is accessible to the router or BNX platform, boot the system from diagnostics.

Warning Events

Entity Code/Event Code **59/2**

Decimal Identifier **16792322**

Severity: Warning

Message: Dropping BOOTREPLYs due to resource constraints.

Meaning: The router or BNX platform cannot accept BOOTREPLY packets, because it has run out of memory.

Entity Code/Event Code **59/14**

Decimal Identifier **16792334**

Severity: Warning

Message: Couldn't create isap for cct <*circuit_no.*>.

Meaning: During a network boot, a BOOTP client could not register with the Data Path service creating the ISAP. The BOOTP client will restart automatically.

Entity Code/Event Code **59/15**

Decimal Identifier **16792335**

Severity: Warning

Message: Could not obtain <*filename*> from file system.

Meaning: During a network boot, the system could not retrieve either the configuration file or the image file from the router's or BNX platform's file system, because there is no file system present on the router or BNX platform. This message appears in the following cases:

- You specify that the BOOTP client should obtain the file locally and no file system is present on the router or BNX platform.
- The BOOTP client fails to obtain the file over the network, and then attempts to obtain the file locally when there is no file system present on the router or BNX platform.

The BOOTP client will attempt to obtain the file over the network if it has not already done so. If the client cannot obtain a file, the router or BNX platform will begin diagnostics.

Action: Ensure that a file system is present, and boot the router or BNX platform.

Entity Code/Event Code **59/16**

Decimal Identifier **16792336**

Severity: Warning

Message: Could not obtain <*filename*> over network.

Meaning: During a network boot, the router or BNX platform attempted to obtain either the image or configuration file over the network via TFTP, but did not have a pathname to use. This message appears in the following cases:

- The router or BNX platform never obtained a pathname from the BOOTP server.

This message may also be generated because of truncation, for the following reasons.

- Configuration filenames. The *Vend* field in the BOOTP packet provides 64 bytes of storage; however, configuration filenames are truncated at 50 bytes.
- Image filenames. The *File* field in a BOOTP packet provides 128 bytes of storage; however, the pathname to the image ("hd" in the *bootptab* file) is truncated at 79 characters.

The reason for truncation is either related to storage limits in the BOOTP server code, or overhead bytes in the BOOTP reply packet that take up space. If the act of truncation creates an invalid UNIX pathname or filename, the BOOTP reply packet sent back to the AN will include a NULL where the valid configuration/image name should appear.

The BOOTP client will attempt to retrieve the image or configuration file from the local file system. If it cannot obtain a file, the router or BNX platform will begin diagnostics.

Action: Verify that the BOOTP server is providing the proper information to the router or BNX platform (check */etc/bootptab*). Then boot the router or BNX platform.

Entity Code/Event Code **59/17**

Decimal Identifier **16792337**

Severity: Warning

Message: Could not load <*file_type*> <*filename*> from local file system.

Meaning: During a network boot, the BOOTP client could not read the file with the name <*filename*> and of the category <*file_type*> from the local file system.The value of <*file_type*> is either *config* or *image*. A variety of conditions, including file system corruption, can cause this situation; however, the most common cause is that the file does not exist on the file system.

The BOOTP client will attempt to obtain the file over the network.

Action: Put a copy of the file on a file system that is not corrupt, and boot the system.

Entity Code/Event Code **59/18**

Decimal Identifier **16792338**

Severity: Warning

Message: Could not load <*file_type*> <*filename*> over network.

Meaning: During a network boot, the BOOTP client could not obtain the file with the name <*filename*> and of the category <*file_type*> over the network, because the TFTP session failed.The value of <*file_type*> is either *config* or *image*.

The BOOTP client does know the reason for the TFTP failure; however, it will attempt to retrieve the file from the local file system. The most common cause of this event is that the file is simply not there. The BOOTP server has supplied a pathname to a file which does not exist; therefore the TFTP failed.

Action: Make sure that the file exists. Other events in the log previous to this one might indicate a more specific reason for the failure.

Entity Code/Event Code **59/38**

Decimal Identifier **16792358**

Severity: Warning

Message: Configuration error from MIB manager, return code <*code_no.*>.

Meaning: An internal error occurred during configuration of network boot interfaces or protocols. This configuration may cause the network boot to fail, and the router or BNX platform would then fall back to local boot.

Entity Code/Event Code **59/49**

Decimal Identifier **16792369**

Severity: Warning

Message: Could not find DLCI <*DLCI_no.*> in BOOTP client interface table.

Meaning: An EZ-Install request was received on the specified Frame Relay DLCI, but this request cannot be carried out. You need to configure the upstream router or BNX platform (via the wfBootpClientIntfEntry record or the Site Manager screen for BOOTP Client Interface Table) to map the incoming DLCI to the IP address of the BOOTP client.

A router or BNX platform received an EZ-Install request specifying the Frame Relay DLCI with the identity <*DLCI_no.*>; however, this DLCI does not appear in the router's or BNX platform's BOOTP Client Interface Table.

Action: Configure the router or BNX platform (via the wfBootpClientIntfEntry record or the Site Manager screen for BOOTP Client Interface Table) to map the incoming DLCI to the IP address of the BOOTP client.

Entity Code/Event Code **59/52**

Decimal Identifier **16792369**

Severity: Warning

Message: Invalid netboot connector <*no.*> specified.

Meaning: The connector number specified is invalid for netboot.

Action: Change to a connector number that is valid for netboot. See *Connecting BayStack AN and ANH Systems to a Network* or *Connecting ASN Routers and BNX Platforms to a Network* for information on valid connectors for netboot for each platform.

Entity Code/Event Code **59/56**

Decimal Identifier **16792376**

Severity: Warning

Message: Invalid value <*value*> specified for <*attribute*>.

Meaning: The <*value*> configured the <*attribute*> incorrectly, resulting in the netboot code validating its configuration. This warning only happens when you configure netboot with the Technician Interface. (The Site Manager application provides validity checking to prevent these configuration errors from occurring.) The following table explains the attributes:

Attribute	**Meaning**
wfNetbootCfgGroup.6.0	Create/delete parameter
wfNetbootCfgGroup.1.0	Netboot image (net or local)
wfNetbootCfgGroup.1.0	Netboot configuration parameter
wfNetbootCfgEntry.1.<*slot*>.<*connector*>	Create/delete parameter
wfNetbootCfgEntry.7.<*slot*>.<*connector*>	Netboot protocol type
wfNetbootCfgEntry.8.<*slot*>.<*connector*>	Disable/enable parameter

Action: Use Site Manager to correct your netboot configuration. Site Manager checks the validity of the netboot configuration parameters.

Entity Code/Event Code **59/57**

Decimal Identifier **16792377**

Severity: Warning

Message: Invalid value specified. <*Attribute_name*> string too long.

Meaning: The attribute value for the image or configuration name had too many characters. The maximum number of characters in the name is 127. The following table explains the attributes:

Attribute	Meaning
wfNetbootCfgGroup.4.0	Netboot image name
wfNetbootCfgGroup.5.0	Netboot configuration name

Action: Verify that the file names are equal to or less than 127 characters. Perform the netboot using Site Manager as it will check the validity of the file names.

Entity Code/Event Code **59/58**

Decimal Identifier **16792378**

Severity: Warning

Message: Netboot <*bconfig or ifconfig*> Technician Interface command failed.

Meaning: While using the **bconfig** or **ifconfig** command in the Technician Interface to configure netboot, an **SNMP set**, **get**, or **commit** failed. This may cause your netboot configuration to be incomplete.

Action: Refer to *Using Technician Interface Software* or *Managing BNX Software with the Technician Interface* for information on the **bconfig** and **ifconfig** commands. Attempt the command again.

Entity Code/Event Code **59/63**

Decimal Identifier **16792383**

Severity: Warning

Message: Checksum error detected in <*executable filename*>.

Meaning: During ASN netboot, a TFTP was initiated to download <*executable filename*> to the router or BNX platform. After download it was determined that the executable file failed the checksum test making it invalid for use. The router or BNX platform will return to local boot.

Action: Attempt the netboot again.

Entity Code/Event Code **59/64**

Decimal Identifier **16792384**

Severity: Warning

Message: Error downloading <*executable_filename*> to <*start_memory_address*>, max size <*size of memory area for download*> -> status = <*error_status_code*>.

Meaning: When this message appears, the <*error_status_code*> = 0 and indicates failure. There was an error during the download phase of ASN netboot. The <*executable_filename*> had a download error. The router or BNX platform will return to local boot.

Action: Attempt the netboot again.

Entity Code/Event Code **59/71**

Decimal Identifier **16792391**

Severity: Warning

Message: <*Image_file or configuration_file*> exceeds memory capacity <*download_size*>.

Meaning: There is insufficient memory for netboot. To download the image or configuration file <*download_size*> bytes is required, and the system does not have that much memory.

Action: Verify that the netboot process has been configured with the correct image and/or configuration file to download. Verify that the <*download_size*> in the error message is actually the size of the image and/or configuration file.

Entity Code/Event Code **59/72**

Decimal Identifier **16792392**

Severity: Warning

Message: Unable to download all required execs ... aborting netboot.

Meaning: The ASN netboot is aborting because the process can't download all the executable files it needs. The router or BNX platform will return to local boot.

Action: Review the events log (Tools→Events Manager→Get Current Log File) and try to determine why the download of one or more executable files failed (e.g. checksum error, TFTP failure). Correct the error and attempt the netboot again.

Entity Code/Event Code **59/73**

Decimal Identifier **16792393**

Severity: Warning

Message: <*filename*> does not support platform type.

Meaning: The executable file specified by <*filename*> downloaded successfully during the netboot. However, the executable file's key doesn't match that of the system and the file contains source code for another system type.

Action: Verify that the correct executables have been installed on your BOOTP/TFTP server. See *Connecting BayStack AN and ANH Systems to a Network* or *Connecting ASN Routers and BNX Platforms to a Network* for information on the installation. Then perform the netboot again.

Info Events

Entity Code/Event Code **59/3**

Decimal Identifier **16792323**

Severity: Info

Message: Relay Agent on Interface <*IP_address*> up.

Meaning: You enabled BOOTP services on the interface with the identity <*IP_address*>.

Entity Code/Event Code **59/4**

Decimal Identifier **16792324**

Severity: Info

Message: Relay Agent on Interface <*IP_address*> down.

Meaning: You disabled BOOTP services on the interface with the identity <*IP_address*>.

Entity Code/Event Code **59/5**

Decimal Identifier **16792325**

Severity: Info

Message: BOOTREQUEST received on Interface <*IP_address*> dropped — hop count exceeded.

Meaning: The router or BNX platform dropped a BOOTREQUEST or DHCP packet it received from the client at the interface with the identity <*IP_address*>, because the value in the *Hops* field of the packet was greater than that the router or BNX platform expected.

Entity Code/Event Code **59/6**

Decimal Identifier **16792326**

Severity: Info

Message: BOOTREQUEST received on Interface <*IP_address*> dropped — seconds field too small.

Meaning: The router or BNX platform dropped a BOOTREQUEST or DHCP packet it received from the client at the interface with the identity <*IP_address*>, because the value in the *Seconds* field of the packet was smaller than that the router or BNX platform expected.

Entity Code/Event Code **59/20**

Decimal Identifier **16792340**

Severity: Info

Message: Booting image <*filename*> obtained from network.

Meaning: The router or BNX platform has obtained the image file with the name<*filename*> via the network and is using it to boot the system.

Entity Code/Event Code **59/21**

Decimal Identifier **16792341**

Severity: Info

Message: Booting image <*filename*> obtained from file system.

Meaning: The router or BNX platform has obtained the image file with the name<*filename*> from its local file system and is using it to boot the system.

Entity Code/Event Code **59/22**

Decimal Identifier **16792342**

Severity: Info

Message: Using config <*filename*> obtained from network.

Meaning: The router or BNX platform has obtained the configuration file with the name <*filename*> via the network and is using it.

Entity Code/Event Code **59/23**

Decimal Identifier **16792343**

Severity: Info

Message: Using config <*filename*> obtained from file system.

Meaning: The router or BNX platform has obtained the configuration file with the name <*filename*> from its local file system and is using it.

Entity Code/Event Code **59/62**

Decimal Identifier **16792382**

Severity: Info

Message: Netboot primary slot has been reset. System is rebooting.

Meaning: The system rebooted because the primary slot for netboot encountered a reset during the netboot process.

Entity Code/Event Code **59/75**

Decimal Identifier **16792395**

Severity: Info

Message: Relay Agent on Interface <*IP_address*> is in Filter mode <*type_value*>.

Meaning: You added the interface with the identity <*IP_address*> to the BOOTP relay agent table, and specified that this interface should transmit only packets of the kind <*type_value*>. Possible values for <*type_value*> are BOOTP only, DHCP only, or both BOOTP and DHCP.

Entity Code/Event Code **59/76**

Decimal Identifier **16792396**

Severity: Info

Message: Packet received on Interface <*IP_address*> -length too short.

Meaning: The router or BNX platform dropped a packet it received at the interface with the identity <*IP_address*> because the packet length does not match the requirements for a BOOTP or DHCP packet.

Entity Code/Event Code **59/77**

Decimal Identifier **16792397**

Severity: Info

Message: BOOTREQUEST rcvd on <*IP_address*> dropped - pkt type not relayed.

Meaning: The router or BNX platform dropped a BOOTREQUEST or DHCP packet it received from the client at the interface with the identity <*IP_address*>, because you configured that interface to transmit a different type of packet. For example, an interface you configured to transmit DHCP packets only received a BOOTREQUEST, and dropped the packet.

BTS Events

The Binary Synchronous Communication Transport service, referred to as the BTS entity, issues the following event messages. The entity code assigned to BTS events is 104.

Fault Events

Entity Code/Event Code **104/1**

Decimal Identifier **16803841**

Severity: Fault

Message: System error, service attempting restart.

Meaning: BTS experienced a fatal error and is restarting automatically. BTS will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if BTS fails to restart.

Info Events

Entity Code/Event Code **104/2**

Decimal Identifier **168003842**

Severity: Info

Message: Loaded.

Meaning: You loaded a software image that includes BTS on the router.

Entity Code/Event Code **104/3**

Decimal Identifier **168003843**

Severity: Info

Message: Service initializing.

Meaning: You configured and enabled BTS on the router.

Entity Code/Event Code **104/4**

Decimal Identifier **168003844**

Severity: Info

Message: Service terminating.

Meaning: You disabled BTS on the router.

Trace Events

Entity Code/Event Code **104/5**

Decimal Identifier **168003845**

Severity: Trace

Message: TCP connection: LocalPort <*port_no.*>: RemIp <*IP_address*>: RemPort <*port_no.*> open

Meaning: You assigned a peer router for BTS, and specified that the peer router should use the interface with the identity <*IP_address*> for BTS. The router to which you assigned the peer will use the TCP port specified by LocalPort <*port_no.*> for BTS; the peer router will use the TCP port specified by RemPort <*port_no.*> for BTS.

Entity Code/Event Code **104/6**

Decimal Identifier **168003846**

Severity: Trace

Message: TCP connection: LocalPort <*port_no.*>: RemIp <*IP_address*>: RemPort <*port_no.*> closed

Meaning: You disabled the BTS connection to the interface with the identity <*IP_address*> on a peer router. This action disabled the TCP connection between the port specified by LocalPort <*port_no.*> on the router where you made the change, and the port specified by RemPort <*port_no.*> on the peer router.

CRM Events

The Circuit Resource Manager service, referred to as the CRM entity, issues the following event messages. The entity code assigned to CRM events is 91. Line Resource Manager (LRM) events are part of the CRM entity.

Fault Events

Entity Code/Event Code **91/1**

Decimal Identifier **16800513**

Severity: Fault

Message: CRM System error, service attempting restart

Meaning: The Circuit Resource Manager experienced a fatal error and is trying to restart.

Action: If CRM does not come up after restart, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **91/2**

Decimal Identifier **16800514**

Severity: Fault

Message: LRM System error, service attempting restart

Meaning: The Line Resource Manager software experienced a fatal error and is trying to restart.

Action: If LRM does not come up after restart, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **91/3**

Decimal Identifier **16800515**

Severity: Fault

Message: CRM API System error, service attempting restart

Meaning: An application using the Circuit Resource Manager (ST2, for example) experienced a fatal error and is trying to restart.

Action: If ST2 does not come up after restart, contact the Bay Networks Technical Response Center.

Warning Events

Entity Code/Event Code **91/9**

Decimal Identifier **16800521**

Severity: Warning

Message: Error in transmit line resource configuration for line <*circuit_name*>. Detail follows: <*log_display*>

Meaning: A configuration error was made on the indicated line.

Action: Look at the log messages that follow to determine how to correct the error.

Entity Code/Event Code **91/10**

Decimal Identifier **16800522**

Severity: Warning

Message: Invalid reserved flow queueing algorithm: <*algorithm_no.*>

Meaning: The Traffic Queueing Algorithm parameter is invalid. Valid <*algorithm_no.*> values are:

- 1 (NONE)
- 2 (PRIORITY)

Action: Set the Traffic Queueing Algorithm parameter to NONE or PRIORITY.

Entity Code/Event Code **91/11**

Decimal Identifier **16800523**

Severity: Warning

Message: Invalid reserved flow policing algorithm: <*algorithm_no.*>

Meaning: The Policing Algorithm parameter is invalid. Valid <*algorithm_no.*> values are:

- 1 (NONE)
- 2 (LEAKY BUCKET)

Action: Set the Traffic Queueing Algorithm parameter to NONE or LEAKY BUCKET.

Entity Code/Event Code **91/13**

Decimal Identifier **16800525**

Severity: Warning

Message: Estimated bandwidth <*est_bandwidth*>must be greater than reservable bandwidth <*res_bandwidth*>.

Meaning: The value of the reservable bandwidth configuration parameter cannot exceed the estimated bandwidth value for the line.

Action: Modify either or both parameters to reflect the estimated bandwidth of the line and the amount of that bandwidth that is reservable.

Info Events

Entity Code/Event Code **91/4**

Decimal Identifier **16800516**

Severity: Info

Message: CRM service loading

Meaning: The CRM software is loading in the router or BNX platform.

Entity Code/Event Code **91/5**

Decimal Identifier **16800517**

Severity: Info

Message: CRM service initializing on circuit <*circuit_name*>

Meaning: The CRM software is initializing on the indicated circuit.

Entity Code/Event Code **91/6**

Decimal Identifier **16800518**

Severity: Info

Message: CRM service terminating on circuit <*circuit_name*>

Meaning: CRM software shutting down on the indicated circuit.

CSMACD Events

The Carrier Sense Multiple Access/Collision Detect service, referred to as the CSMACD entity, issues the following event messages. The entity code assigned to CSMACD events is 9.

Fault Event

Entity Code/Event Code **9/1**

Decimal Identifier **16779521**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The CSMA/CD driver experienced a fatal error and is restarting automatically. CSMA/CD will attempt to restart up to five times.

Action: Verify that the configuration is correct. Determine whether the FAIL LED on each link module is off. Call the Bay Networks Technical Response Center if CSMA/CD fails to restart.

Warning Events

Entity Code/Event Code **9/2**

Decimal Identifier **16779522**

Severity: Warning

Message: Connector XCVR <*no.*> carrier lost.

Meaning: The CSMA/CD entity detected the loss of the carrier signal on the connector identified by XCVR <*no.*>.

Action: Verify transceiver and physical medium integrity.

Entity Code/Event Code **9/3**

Decimal Identifier **16779523**

Severity: Warning

Message: Connector XCVR <*no.*> excessive collisions.

Meaning: The CSMA/CD entity dropped a frame after it detected collisions on 16 successive transmission attempts over the connector identified by XCVR <*no.*>.

Action: If message occurs frequently, investigate and remedy the cause(s) of LAN congestion.

Entity Code/Event Code **9/4**

Decimal Identifier **16779524**

Severity: Warning

Message: Connector XCVR <*no.*> transmitter time-out.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> timed out on transmission after a user-programmable time.

Entity Code/Event Code **9/5**

Decimal Identifier **16779525**

Severity: Warning

Message: Connector XCVR <*no.*> diagnostic failed.

Meaning: The connector identified by XCVR <*no.*> failed power-up diagnostics and is disabled.

Action: Verify the integrity of the link module.

Entity Code/Event Code **9/6**

Decimal Identifier **16779526**

Severity: Warning

Message: Connector XCVR <*no.*> out of range.

Meaning: The CSMA/CD connector XCVR <*no.*> is invalid and will be ignored.

Action: Modify the configuration record to accurately describe the link module installed in the specified slot.

Entity Code/Event Code **9/7**

Decimal Identifier **16779527**

Severity: Warning

Message: Connector XCVR <*no.*> no SQE.

Meaning: The CSMA/CD entity detected a loss of the Signal Quality Error (SQE or Heartbeat) signal over connector XCVR <*no.*>.

Action: Verify transceiver integrity.

Entity Code/Event Code **9/8**

Decimal Identifier **16779528**

Severity: Warning

Message: Connector XCVR <*no.*> not verified with diagnostic.

Meaning: Power-up diagnostics did not run on this interface and did not verify the CSMA/CD connector identified by XCVR <*no.*>.

Action: Rerun power-up diagnostics if you wish to verify XCVR <*no.*> integrity.

Entity Code/Event Code **9/10**

Decimal Identifier **16779530**

Severity: Warning (BNX only)

Message: Connector XCVR <*no.*> disabled.

Meaning: The CSMA/CD connector identified by XCVR <no.> is disabled.

Entity Code/Event Code **9/11**

Decimal Identifier **16779531**

Severity: Warning (BNX only)

Message: Connector XCVR <*no.*> enabled.

Meaning: The CSMA/CD connector identified by XCVR <no.> is enabled.

Entity Code/Event Code **9/20**

Decimal Identifier **16779540**

Severity: Warning

Message: Connector XCVR <*no.*> failed to enable hardware filter.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> failed to enable hardware filtering. The reason for failing is internal to the entities coordinating the operation of the hardware filter function.

Action: Try to enable the hardware filtering function again later, perhaps when the system resources are available to satisfy the request. If this situation persists, view the HWF events in the system log to determine the cause of the failure.

Entity Code/Event Code **9/21**

Decimal Identifier **16779541**

Severity: Warning

Message: Connector XCVR <*no.*> hardware filter driver not accessible for <*action*> operation.

Meaning: The hardware filter driver entity is unavailable to satisfy the operation specified by <*action*>. The <*action*> is either Enable or Disable.

Action: Configure the hardware filter driver on the slot upon which hardware filtering is desired.

Entity Code/Event Code **9/23**

Decimal Identifier **16779543**

Severity: Warning

Message: Connector XCVR<*no.*>, gate id 0x<*no.*> could not get a buffer.

Meaning: This interface did not come up, because a buffer was not available to send a message.

Entity Code/Event Code **9/24**

Decimal Identifier **16779544**

Severity: Warning

Message: Connector XCVR<*no.*>, gate id 0x<*no.*>, encountered an RPC timeout.

Meaning: This interface did not come up, because an RPC timeout occurred while sending a message to the module driver.

Entity Code/Event Code **9/25**

Decimal Identifier **16779545**

Severity: Warning

Message: Connector XCVR<*no.*> aborting init. No Module Present in Module location<*no.*>.

Meaning: Either the network module in this location is missing or the configuration is incorrect.

Action: Insert the missing network module or correct the configuration.

Entity Code/Event Code **9/26**

Decimal Identifier **16779546**

Severity: Warning

Message: Connector XCVR<*connector_no.*> aborting init. Wrong Module type in Module location<*no.*>.

Meaning: Either the type of network module in this location or the configuration is incorrect.

Action: Insert the correct type of network module or correct the configuration.

Entity Code/Event Code **9/27**

Decimal Identifier **16779547**

Severity: Warning

Message: Connector XCVR<*connector_no.*> aborting init. Module<*no.*> diag failed (status=0x<*status_code*>).

Meaning: The net module identified by Net Module<*no.*> has failed. The status code indicates the type of failure.

Action: Replace the network module as soon as possible. If you do not have a spare network module now, but you have a spare connector on the existing network module:

- Switch the cable associated with the failed circuit to the spare connector.
- Configure a new, identical circuit.
- Delete the failed circuit from the configuration.

Using the spare connector is a temporary measure. When you return the network module to Bay Networks, be sure to report the <*status_code*> and the connector associated with the failure.

Entity Code/Event Code **9/35**

Decimal Identifier **16779555**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Detected bad fuse on external PHY device.

Meaning: A bad fuse has been detected on the external PHY device (transceiver) attached to the MII interface on the specified connector. The line will not function properly.

Action: Replace or repair the transceiver.

Entity Code/Event Code **9/36**

Decimal Identifier **16779556**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: PHY device does not support Auto-Negotiation. 100Base-TX assumed.

Meaning: The line is configured for Auto-Negotiation, but that connector's PHY device does not support Auto-Negotiation. The router attempts to configure the line using the default setting, 100Base-TX.

Action: Configure the line speed to the correct setting (MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegSpeedSelect).

Entity Code/Event Code **9/37**

Decimal Identifier **16779557**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: MAC device does not support 10Mb/s operation. 100Base-TX assumed.

Meaning: The line is configured to either 10Base-T or 10Base-T full-duplex, but this is not a supported setting. The router attempts to configure the line to 100Base-TX.

Action: Configure the line speed to a valid setting (MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegSpeedSelect).

Entity Code/Event Code **9/38**

Decimal Identifier **16779558**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Attempting to advertise an unsupported capability. ADVERTISED CAPABILITIES = 0x<*value*> LOCAL CAPABILITIES = 0x<*value*>

Meaning: The line is configured to advertise a capability during the Auto-Negotiation process that is not supported. The router will continue the Auto-Negotiation process but will not advertise the unsupported capability.

Action: Set the advertisment to 100Base-TX or 100Base-TX full-duplex (MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegAdvertisedCapability).

Entity Code/Event Code **9/39**

Decimal Identifier **16779559**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Auto-Negotiation failed, no common capabilities found. 100Base-TX configured.

Meaning: The line failed the Auto-Negotiation process because the two stations do not appear to have any common capabilities. The router will attempt to configure the line for 100Base-TX. Bay Networks supports both 100Base-TX and 100Base-TX full-duplex for Auto-Negotiation.

Action: Investigate the capabilities of the two stations.

Entity Code/Event Code **9/40**

Decimal Identifier **16779560**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Could not read PHY device register <*register name*>.

Meaning: The router could not read an internal register on the PHY device for the indicated connector. This is an internal system error which may or may not cause the line to function improperly.

Action: This event usually indicates a hardware problem. Contact the Bay Networks Technical Response Center if the event persists.

Entity Code/Event Code **9/41**

Decimal Identifier **16779561**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Remote fault detected (BMSR = 0x<*value*>).

Meaning: The connector's PHY device detected a remote fault during the Auto Negotiation process. The <*value*> argument is the hexidecimal value of the contents of the PHY device BMSR register.

Fault criteria and detection are PHY device-specific, but this event usually indicates a hardware problem.

Action: Check the remote station to verify that it is configured correctly. Contact the Bay Networks Technical Response Center if this event persists.

Entity Code/Event Code **9/42**

Decimal Identifier **16779562**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Auto-Negotiation didn't negotiate within 2000ms

Meaning: The Auto-Negotiation process timed out on the line. The two stations could not agree on a common capability. This normally indicates some type of configuration problem.

Action: If the problem persists and the line does not come up, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **9/43**

Decimal Identifier **16779563**

Severity: Warning

Message: Connector XCVR<*connector_no.*>: Unsupported option <*status*>.

Meaning: The connector is configured for an unsupported setting, specified by <*status*>. For example if the line speed is set for 100Base-T4, the error display is:

```
Connector XCVR21: Unsupported option 100Base-T4 (100Base-TX
assumed).
```

The router will attempt to configure the line for 100Base-TX since 100Base-T4 is not currently supported.

Action: Configure the line to a valid setting (MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegSpeedSelect.<*slot*>.<*connector_no.*>*)*

Info Events

Entity Code/Event Code **9/9**

Decimal Identifier **16779529**

Severity: Info

Message: Service initializing.

Meaning: CSMA/CD is initializing.

Entity Code/Event Code **9/10**

Decimal Identifier **16779530**

Severity: Info (Routers only)

Message: Connector XCVR <*no.*> disabled.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> is disabled.

Entity Code/Event Code **9/11**

Decimal Identifier **16779531**

Severity: Info (Routers only)

Message: Connector XCVR <*no.*> enabled.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> is enabled.

Entity Code/Event Code **9/12**

Decimal Identifier **16779532**

Severity: Info

Message: Connector XCVR <*no.*> configuration deleted.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> was removed from the configuration.

Entity Code/Event Code **9/13**

Decimal Identifier **16779533**

Severity: Info

Message: Connector XCVR <*no.*> providing LLC1 service.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> is enabled and providing LLC1 (datagram) service.

Entity Code/Event Code **9/14**

Decimal Identifier **16779534**

Severity: Info

Message: Connector XCVR <*no.*> LLC1 service withdrawn.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> is not providing LLC1 service.

Entity Code/Event Code **9/19**

Decimal Identifier **16779539**

Severity: Info

Message: Connector XCVR <*no.*> hardware filter enabled.

Meaning: Hardware filtering is enabled on the CSMA/CD connector identified by XCVR <*no.*>.

Entity Code/Event Code **9/22**

Decimal Identifier **16779542**

Severity: Info

Message: Connector XCVR<*no.*> fuse blown.

Meaning: The CSMA/CD connector identified by XCVR <*no.*> has a blown fuse. The fuse that powers the transceiver associated with XCVR <*no.*> is not operational.

Action: Replace the fuse.

Entity Code/Event Code **9/31**

Decimal Identifier **16779551**

Severity: Info

Message: Connector XCVR<*connector_no.*>: Auto Negotation is enabled.

Meaning: Indicates that Auto-Negotiation has been configured via the MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegSpeedSelect.<*slot*>.<*connector*>. The router begins the Auto-Negotiation process after logging this message.

Entity Code/Event Code **9/32**

Decimal Identifier **16779552**

Severity: Info

Message: Connector XCVR<*connector_no.*>: Auto Negotation is disabled.

Meaning: Indicates that, instead of using automatic line speed negotiation (Auto Negotiation), the line is configured for a specific line speed via the MIB attribute wfCSMACDAutoNegEntry.wfCSMACDAutoNegSpeedSelect. The router logs this event during line configuration for any setting other than Auto-Negotiation.

Entity Code/Event Code **9/33**

Decimal Identifier **16779553**

Severity: Info

Message: Connector XCVR<*connector_no.*>: Auto Negotation started.

Meaning: Indicates the Auto-Negotiation process has started for the indicated connector.

Entity Code/Event Code **9/34**

Decimal Identifier **16779554**

Severity: Info

Message: Connector XCVR<*connector_no.*>: Auto Negotation completed. Interface setting is <*status*>.

Meaning: Indicates that the Auto-Negotiation process has completed succesfully for the connector indicated and displays the agreed-upon interface setting <*status*>. Valid interface settings could be:

- 100Base-TX Full Duplex
- 100Base-TX

Data Compression Events

The data compression service, referred to as the WCP entity, issues the following event messages. The entity code assigned to compression events is 84.

Fault Event

Entity Code/Event Code **84/1**

Decimal Identifier **16798721**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The router experienced a fatal error and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Warning Events

Entity Code/Event Code **84/2**

Decimal Identifier **16798722**

Severity: Warning

Message: Unable to allocate WCP VC. Maximum number of VCs reached.

Meaning: The router cannot add another virtual circuit; it is already supporting the maximum number of logical connections possible.

Entity Code/Event Code **84/3**

Decimal Identifier **16798723**

Severity: Warning

Message: Maximum number of wfWcpCircuitEntry reached. Ignoring entry.

Meaning: The router cannot add another circuit; it is already supporting the maximum number of circuits possible.

Entity Code/Event Code **84/4**

Decimal Identifier **16798724**

Severity: Warning

Message: Invalid compression mode. Using default value.

Meaning: Compression mode set using the Technician Interface is an invalid value. Compression is enabled using the default value, Continuous Packet, instead.

Action: If you want to use Packet-by-Packet, set the Compression Mode parameter using either the Technician Interface or Site Manager.

Note: *This message should not appear if you have configured compression using Site Manager, because Site Manager allows only one of two choices: Continuous Packet or Packet by Packet.*

Entity Code/Event Code **84/5**

Decimal Identifier **16798725**

Severity: Warning

Message: Invalid history size. Using default value.

Meaning: History size set using the Technician Interface is an invalid value. Compression is enabled using the default value, 32 KB for software compression, 8 KB for hardware compression, instead.

Action: If you want to change the history size, set the History Size parameter using either the Technician Interface or Site Manager.

Note: *This message should not appear if you have configured compression using Site Manager, because Site Manager allows only one of two choices: 8 KB and 32 KB.*

Entity Code/Event Code **84/6**

Decimal Identifier **16798726**

Severity: Warning

Message: Invalid buffer size. Using default value.

Meaning: Buffer size set using the Technician Interface is an invalid value. Compression is enabled using the default value, Normal.

Action: If you want to use a buffer size other than Normal, set the Buffer Size line parameter using either Technician Interface or Site Manager.

Note: *This message should not appear if you have configured compression using Site Manager, because Site Manager allows only one of the following choices: Very Large │Large │ Normal │None.*

Entity Code/Event Code **84/7**

Decimal Identifier **16798727**

Severity: Warning

Message: Invalid engine type. Using default value.

Meaning: Engine type set using the Technician Interface is an invalid value. Compression is enabled using the default value, Software, unless you have configured an Octal Sync Link module that has a hardware compression daughterboard, in which case the default value is Hardware.

Action: If you want to use an engine type other than the default, set the Engine Type parameter using either the Technician Interface or Site Manager.

Note: *This message should not appear if you have configured compression using Site Manager, because Site Manager allows only one of the following choices: Software / Hardware.*

Entity Code/Event Code **84/23**

Decimal Identifier **16798743**

Severity: Warning

Message: Invalid search depth size <*size*> configured. Using default value.

Meaning: Search depth size set is an invalid value. Compression is enabled using the default value,

Action: If you want to use a search depth size other than the default value of 3, use the Technician Interface to set the Search Depth parameter to a value in the range of 0 to 255. You should set this parameter to 0 if you want to run the line in High Speed mode. Be aware that setting this parameter to a value higher than 13 will not have an appreciable effect on compression ratio, but will result in slower throughput.

Entity Code/Event Code **84/24**

Decimal Identifier **16798744**

Severity: Warning

Message: Invalid fallback compression mode type. Using default value.

Meaning: Fallback compression mode set using the Technician Interface is an invalid value. Compression is enabled using the default value, Software CPC.

Action: If you want to use Hardware PPC, set the Fallback Compression Mode parameter using either the Technician Interface or Site Manager.

Note: *This message should not appear if you have configured compression using Site Manager, because Site Manager allows only one of the following choices: Software CPC / Hardware PPC.*

Entity Code/Event Code **84/25**

Decimal Identifier **16798745**

Severity: Warning

Message: VC registration failed for Protocol <*protocol*>, Line # <*line number*>, Cct <*circuit number*>, VcId <*virtual circuit ID number*>, with Failure Code = <*code number*>.

Meaning: The router is unable to allocate a hardware compression context for the specified VC. The message includes one of the following failure codes to explain why you cannot configure hardware compression:

0x81 — Indicates that you have already allocated the maximum number of hardware contexts this hardware compression daughterboard can support.

0x82 — Indicates that there are hardware compression resources available on the daughterboard, but you have configured a 32 KB History Size, and 32 KB of contiguous memory on one page is not available.

0x83 — Indicates that the hardware compression driver has not been loaded, and this VC has timed out while waiting for the hardware compression driver.

Action: 0x81 — Use software compression, use hardware PPC compression, or reallocate your hardware compression resources to make a hardware compression context available for this VC.

0x82 — You can configure a History Size of 8 KB, or you can save your configuration and reset the slot. When you reset the slot, available compression memory is rearranged to be contiguous.

0x83 — Check the executable file for the existence of “hwcomp.exe.” If it is resident, check that the proper MIB load attribute is set.

Entity Code/Event Code **84/26**

Decimal Identifier **16798746**

Severity: Warning

Message: Using SW Compression for Protocol <*protocol*>, Line # *line number*>, Cct *circuit number*>, VcId <*virtual circuit ID number*>.

Meaning: Software compression is operating for the specified protocol on the specified line, circuit, and VC.

Action: You see this message only if you have tried to configure hardware compression, and probably in combination with the preceding message. If you want to use hardware compression for the specified VC, you must either change how your resources are configured, or you can set the Fallback Compression parameter to Hardware PPC.

Entity Code/Event Code **84/27**

Decimal Identifier **16798747**

Severity: Warning

Message: Using PPC HW Compression for Protocol <*protocol*>, Line # *line number*>, Cct *circuit number*>, VcId <*virtual circuit ID number*>.

Meaning: Packet-by-Packet hardware compression is operating for the specified protocol on the specified line, circuit, and VC.

Action: If you want to use continuous packet software compression instead, set the Fallback Compression parameter to Software CPC.

Info Events

Entity Code/Event Code **84/8**

Decimal Identifier **16798728**

Severity: Info

Message: Service initializing.

Meaning: Compression is initializing.

Entity Code/Event Code **84/9**

Decimal Identifier **16798729**

Severity: Info

Message: Service is up.

Meaning: Compression is running.

Entity Code/Event Code **84/10**

Decimal Identifier **16798730**

Severity: Info

Message: Attempt to connect line <*line number*>, llindex <*llindex number*>, circuit <*circuit number*>, vcid <*VC ID number*> has timed out.

Meaning: One side of the specified Frame Relay, X.25, or PPP connection has WCP configured and has tried to initiate compression with the other side of the connection, which apparently does not have compression configured. The attempt has timed out. Data flows across the connection, but without compression.

Entity Code/Event Code **84/11**

Decimal Identifier **16798731**

Severity: Info

Message: Attempt to disconnect line <*line number*>, llindex <*llindex number*>, circuit <*circuit number*>, vcid <*VC ID number*> has timed out.

Meaning: One side of the specified Frame Relay, X.25, or PPP connection has tried to discontinue compression with the other side of the connection. The attempt has timed out.

Trace Event

Entity Code/Event Code **84/12**

Decimal Identifier

Severity: Trace

Message: Bad decompressor status. Resetting.

Meaning: The decompressor is out of synchronization with the compressor on the other side of the link. The router automatically reestablishes the connection and renegotiates compression.

DCMMW Events

The data collection module middleware, referred to as the DCMMW entity, issues the following event messages. The entity code assigned to DCMMW events is 96.

Fault Events

Entity Code/Event Code **96/1**

Decimal Identifier **16801793**

Severity: Fault

Message: DCMMW System error, service attempting restart

Meaning: DCMMW experienced a fatal error and is restarting automatically. It will attempt to restart up to 5 times.

Action: Review log messages logged before this event; the preceding messages should give more specific information about why an error occurred. Also check the DCMMW configuration, and, if you change the configuration, enable DCMMW again. Call the Bay Networks Technical Response Center if DCMMW still fails to restart.

Entity Code/Event Code **96/2**

Decimal Identifier **16801794**

Severity: Fault

Message: DCMMW IPC system crash

Meaning: The interprocess communication gate experienced a fatal error and is restarting automatically. It will attempt to restart up to 5 times.

Action: Review log messages logged before this event; the preceding messages should give more specific information about why an error occurred. Also check the DCMMW configuration, and, if you change the configuration, enable DCMMW again. Call the Bay Networks Technical Response Center if DCMMW still fails to restart.

Entity Code/Event Code **96/3**

Decimal Identifier **16801795**

Severity: Fault

Message: DCMMW RSAA system crash

Meaning: The RMON subagent adaptor experienced a fatal error and is restarting automatically. It will attempt to restart up to 5 times

Action: Review log messages logged before this event; the preceding messages should give more specific information about why an error occurred. Also check the DCMMW configuration, and, if you change the configuration, enable DCMMW again. Call the Bay Networks Technical Response Center if DCMMW still fails to restart.

Entity Code/Event Code **96/4**

Decimal Identifier **16801796**

Severity: Fault

Message: DCM board has not completed programming the COBRA - NOT READY.

Meaning: DCCMW experienced a fatal error because it found that the DCM board has not completed its self-diagnostic routine. DCMMW will attempt to restart up to 5 times.

Action: If DCCMW fails to restart on subsequent attempts, the DCM board is probably faulty. Replace the board if you have a spare available, and enable DCMMW again. Contact the Bay Networks Technical Response Center for information about replacing a faulty board.

Entity Code/Event Code **96/5**

Decimal Identifier **16801797**

Severity: Fault

Message: Polling time out for magic number (<*time-out_value*>)

Meaning: DCCMW found that the DCM board was not ready to boot. DCCMW will attempt to boot the DCM board up to 5 times.

Action: If the DCM board fails to reboot on subsequent attempts, it is probably faulty. Replace the board if you have a spare available, and enable DCMMW again. Contact the Bay Networks Technical Response Center for information about replacing a faulty board.

Warning Events

Entity Code/Event Code **96/6**

Decimal Identifier **16801798**

Severity: Fault

Message: Error while down loading DCM image into DCM shared memory. DCM will boot in local mode.

Meaning: When you started DCCMW, the DCM board attempted to copy a boot image from the flash memory in the 8-port ANH™ to the DCM board's shared memory (DRAM), but could not find the file for one of the following reasons:

- You specified an incorrect filename for the boot image
- You specified an incorrect volume
- You specified an image file that does not exist

The DCM board will boot from the default image in the DCM local flash memory.

Action: Check that you specified the correct image filename and volume, and that the image file exists. Correct any problems and enable DCMMW again.

Info Events

Entity Code/Event Code **96/7**

Decimal Identifier **16801799**

Severity: Info

Message: WfDCMMW is initializing.

Meaning: You enabled DCMMW.

Entity Code/Event Code **96/8**

Decimal Identifier **16801800**

Severity: Info

Message: DCM board is down.

Meaning: You disabled or deleted DCMMW.

DECNET Events

The DECnet IV service, referred to as the DECNET entity, issues the following event messages. The entity code assigned to DECNET events is 4.

Fault Event

Entity Code/Event Code **4/1**

Decimal Identifier **16778241**

Severity: Fault

Message: System error, service attempting restart.

Meaning: DECnet IV experienced a fatal error and is restarting automatically. DECnet will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if DECnet fails to restart.

Warning Events

Entity Code/Event Code **4/13**

Decimal Identifier **16778253**

Severity: Warning

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Out of range

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the identified circuit) is declared down, because its area or node address has become corrupted and now exceeds the maximum values configured for these parameters.

Action: Verify the address integrity.

Entity Code/Event Code **4/14**

Decimal Identifier **16778254**

Severity: Warning

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Checksum error

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the identified circuit) is declared down, because it transmitted a routing topology packet that contained an erroneous checksum.

Action: Verify the integrity of the adjacent node.

Entity Code/Event Code **4/16**

Decimal Identifier **16778256**

Severity: Warning

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Router Table Full

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the identified circuit) is declared down and deleted from the current adjacent router table. The node is deleted, because the router table contains the maximum number of entries, and DECnet has detected the presence of a new router on the adjacent network. In such an instance, DECnet checks the “priority” (node number) of the newly detected router and, if the priority is greater than that of the lowest-priority node in the router table, drops the lower-priority node and adds the new router to the table.

Action: Consider setting the NBRA value to its maximum value (33).

Entity Code/Event Code **4/18**

Decimal Identifier **16778258**

Severity: Warning

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Bad Packet

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the identified circuit) is declared down, because it transmitted an erroneous packet.

Action: Verify the integrity of the adjacent node.

Entity Code/Event Code **4/20**

Decimal Identifier **16778260**

Severity: Warning

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Version skew

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the identified circuit) is determined to be down because of a DECnet version mismatch between the local router and the adjacency.

Action: Reconcile the version mismatch.

Entity Code/Event Code **4/23**

Decimal Identifier **16778263**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Router Table Full

Meaning: DECnet IV has detected a router whose address is <*area*>.<*node*> (potentially accessible through the identified circuit). DECnet IV will not establish an adjacency, because its Adjacent Router table is full and the “priority” (node number) of the newly detected router is less than that of the lowest-priority node in the table.

Action: Consider setting the NBRA value to its maximum value (33).

Entity Code/Event Code **4/24**

Decimal Identifier **16778264**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Out of range

Meaning: DECnet IV has detected a router whose address is <*area*>.<*node*> (potentially accessible through the identified circuit). DECnet IV will not establish an adjacency, because the newly detected router’s area or node address, or both, exceeds the maximum values configured for these parameters.

Action: Verify the address integrity or modify the DECnet configuration record, or both.

Entity Code/Event Code **4/25**

Decimal Identifier **16778265**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Router Table Full — low priority

Meaning: DECnet IV has detected a router whose address is <*area*>.<*node*> (potentially accessible through the identified circuit). DECnet IV will not establish an adjacency, because its Adjacent Router table is filled with higher-priority routers.

Action: Consider setting the NBRA value to its maximum value (33).

Entity Code/Event Code **4/26**

Decimal Identifier **16778266**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Router Table Full — low node id

Meaning: DECnet IV has detected a router whose address is <*area*>.<*node*> (potentially accessible through the identified circuit). DECnet IV will not establish an adjacency, because its Adjacent Router table is filled with higher-priority routers.

Action: Consider setting the NBRA value to its maximum value (33).

Entity Code/Event Code **4/27**

Decimal Identifier **16778267**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Endnode Table Full

Meaning: DECnet has detected a previously unknown node (potentially accessible through the identified circuit), whose area and node address is <*area*>.<*node*>. DECnet will not establish an adjacency, because its Adjacent Endnode table is full.

Action: Consider setting the NBEA value to its maximum value (1023).

Entity Code/Event Code **4/28**

Decimal Identifier **16778268**

Severity: Warning

Message: Adjacency Rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Using this node address

Meaning: DECnet IV has detected an "adjacent" node (potentially accessible through the identified circuit) whose address, <*area*>.<*node*>, is identical to DECnet's address. No adjacency is established.

Action: Establish address integrity or look for loops in the network topology.

Entity Code/Event Code **4/29**

Decimal Identifier **16778269**

Severity: Warning

Message: Initialization Failed Circuit <*circuit_no.*>, Block size <*no._bytes*> too small

Meaning: An adjacent host (potentially accessible over the indicated circuit) failed to complete initialization because of an insufficient configured block size.

Action: Configure the block size of the adjacent node to match the block size of the router.

Entity Code/Event Code **4/54**

Decimal Identifier **16778294**

Severity: Warning

Message: Multicast address change not allowed on circuit <*circuit_no.*>

Meaning: The circuit <*circuit_no.*> is not a Frame Relay circuit; thus, statically configuring a multicast address for this circuit is incorrect.

Action: Reconfigure the DECnet circuit and accept the default values for the End Nodes MAC, End Routes MAC, and Area Routes MAC parameters.

Entity Code/Event Code **4/56**

Decimal Identifier **16778296**

Severity: Warning

Message: Static Adjacency rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Table Full

Meaning: DECnet IV rejected a static adjacency entry circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, because its Static Adjacency table is full.

Entity Code/Event Code **4/57**

Decimal Identifier **16778297**

Severity: Warning

Message: Static Adjacency rejected Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>

Meaning: DECnet IV rejected static adjacency entry circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>.

Info Events

Entity Code/Event Code **4/2**

Decimal Identifier **16778242**

Severity: Info

Message: Protocol initializing

Meaning: DECnet IV is initializing.

Entity Code/Event Code **4/3**

Decimal Identifier **16778243**

Severity: Info

Message: Protocol terminating

Meaning: DECnet IV is terminating.

Entity Code/Event Code **4/4**

Decimal Identifier **16778244**

Severity: Info

Message: Interface <*area*>.<*node*> up on circuit <*circuit_no.*>

Meaning: The interface whose DECnet address is <*area*>.<*node*> has come up on the specified circuit.

Entity Code/Event Code **4/5**

Decimal Identifier **16778245**

Severity: Info

Message: Interface <*area*>.<*node*> down on circuit <*circuit_no.*>

Meaning: The interface whose DECnet address is <*area*>.<*node*> has gone down on the specified circuit.

Trace Events

Entity Code/Event Code **4/12**

Decimal Identifier **16778252**

Severity: Trace

Message: Adjacency Up Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>

Meaning: The adjacent node whose address is <*area*>.<*node*> (accessible through the specified circuit) is up.

Entity Code/Event Code **4/15**

Decimal Identifier **16778255**

Severity: Trace

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Sync lost

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the specified circuit) is down because of circuit failure.

Action: Investigate and repair the cause of the circuit failure.

Entity Code/Event Code **4/17**

Decimal Identifier **16778257**

Severity: Trace

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Dropped

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the specified circuit) has been dropped, because it transmitted a faulty hello packet.

Entity Code/Event Code **4/19**

Decimal Identifier **16778259**

Severity: Trace

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Address change

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the specified circuit) has been declared down because of a type change (that is, from a non-routing to a routing node, or vice versa).

Entity Code/Event Code **4/21**

Decimal Identifier **16778261**

Severity: Trace

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Timeout

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the specified circuit) is down, because the router failed to receive three consecutive hello packets from the adjacency.

Entity Code/Event Code **4/22**

Decimal Identifier **16778262**

Severity: Trace

Message: Adjacency Down Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>, Encaps gate died

Meaning: The adjacent node whose address is <*area*>.<*node*> (previously accessible through the specified circuit) is down, because the router can no longer send traffic over the specified circuit or there is a problem with the specified circuit.

Entity Code/Event Code **4/30**

Decimal Identifier **16778270**

Severity: Trace

Message: Node Reach Change, Node <*area*>.<*node*>, Reachable

Meaning: The previously unreachable node, whose address is <*area*>.<*node*>, has become reachable.

Entity Code/Event Code **4/31**

Decimal Identifier **16778271**

Severity: Trace

Message: Node Reach Change, Node <*area*>.<*node*>, Unreachable

Meaning: The previously reachable node, whose address is <*area*>.<*node*>, has become unreachable.

Entity Code/Event Code **4/32**

Decimal Identifier **16778272**

Severity: Trace

Message: Area Reach Change, Area <*area*>, Reachable

Meaning: The previously unreachable DECnet area has become reachable.

Entity Code/Event Code **4/33**

Decimal Identifier **16778273**

Severity: Trace

Message: Area Reach Change, Area <*area*>, Unreachable

Meaning: The previously reachable DECnet area has become unreachable.

Entity Code/Event Code **4/48**

Decimal Identifier **16778288**

Severity: Trace

Message: DRS Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Drop packet)

Meaning: A DECnet packet has been dropped in accordance with the specified filter rule.

Entity Code/Event Code **4/49**

Decimal Identifier **16778289**

Severity: Trace

Message: DRS Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Log only)

Meaning: A DECnet packet has been logged in accordance with the specified filter rule.

Entity Code/Event Code **4/55**

Decimal Identifier **16778295**

Severity: Trace

Message: Static Adjacency Up Circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>

Meaning: DECnet IV accepted static adjacency entry circuit <*circuit_no.*>, Adjacency=<*area*>.<*node*>.

DLS Events

The Data Link Switching (DLSw) service, referred to as the DLS entity, issues the following event messages. The entity code assigned to DLS events is 50.

Fault Event

Entity Code/Event Code **50/1**

Decimal Identifier **16790017**

Severity: Fault

Message: System error, service attempting restart.

Meaning: DLSw experienced a fatal error and is restarting automatically. DLSw will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if DLSw fails to restart.

Warning Event

Entity Code/Event Code **50/2**

Decimal Identifier **16790018**

Severity: Warning

Message: No IP address configured for DLSw slot <*no.*>

Meaning: The slot configured with DLSw has no corresponding IP address.

Action: You must specify the IP address for this DLSw slot.

Entity Code/Event Code **50/94**

Decimal Identifier **16790110**

Severity: Warning

Message: RIF not present. Make sure wfDlsInterfaceDlcType is set correctly.

Meaning: The routing information field (RIF) does not exist and was not created.

Action: When using the Technical Interface, make sure that the wfDlsInterfaceType is set for the correct interface type (SRB, Ethernet, LLC_SRB, etc.).

Info Events

Entity Code/Event Code **50/3**

Decimal Identifier **16790019**

Severity: Info

Message: Service initializing.

Meaning: DLSw is initializing.

Entity Code/Event Code **50/4**

Decimal Identifier **16790020**

Severity: Info

Message: Service terminating.

Meaning: DLSw is terminating.

Entity Code/Event Code **50/5**

Decimal Identifier **16790021**

Severity: Info

Message: Interface up on circuit <*no.*>

Meaning: A DLSw interface has come up on a circuit.

Entity Code/Event Code **50/6**

Decimal Identifier **16790022**

Severity: Info

Message: Interface down on circuit <*no.*>

Meaning: A DLSw interface has gone down on a circuit.

Entity Code/Event Code **50/7**

Decimal Identifier **16790023**

Severity: Info

Message: DLSw Traffic Filter — Rule <*no.*> Circuit <*no.*> (Drop packet).

Meaning: An incoming message PDU matched the pattern defined in the named filter. The action was to drop the packet.

Entity Code/Event Code **50/8**

Decimal Identifier **16790024**

Severity: Info

Message: DLSw Traffic Filter — Rule <*no.*> Circuit <*no.*> (Log only).

Meaning: An incoming message PDU matched the pattern defined in the named filter. The action was only to log the packet.

Entity Code/Event Code **50/9**

Decimal Identifier **16790025**

Severity: Info

Message: DLSw Traffic Filter — Rule <*no.*> Circuit <*no.*>
(Forwarding CUR to <*TCP_connection_number*>).

Meaning: An incoming message PDU matched the pattern defined in the named filter. The action was only to forward the packet to the designated TCP connection.

Trace Events

Entity Code/Event Code **50/10**

Decimal Identifier **16790026**

Severity: Trace

Message: TCP connection
<*local_IP_address*>:<*local_port_no.*>:<*remote_IP_address*>:<*remote_port_no.*> open.

Meaning: A new TCP connection came up.

Entity Code/Event Code **50/11**

Decimal Identifier **16790027**

Severity: Trace

Message: TCP connection
<*local_IP_address*>:<*local_port_no.*>:<*remote_IP_address*>:<*remote_port_no.*>
closed.

Meaning: An existing TCP connection went down.

Entity Code/Event Code **50/12**
Decimal Identifier **16790028**
Severity: Trace
Message: Device <*device_address*> active on cct <*circuit_no.*>.
Meaning: The indicated device is active on the circuit named in the message.

Entity Code/Event Code **50/13**
Decimal Identifier **16790029**
Severity: Trace
Message: Device <*device_address*> inactive on cct <*circuit_no.*>.
Meaning: The indicated device is inactive on the circuit named in the message.

Entity Code/Event Code **50/14**
Decimal Identifier **16790030**
Severity: Trace
Message: Prioritization active on <*IP_address*>
Meaning: Protocol prioritization is active for the DLSw peer at the indicated IP address.

DMAP Event

The Direct Memory Access Processor service, referred to as the DMAP entity, issues the following event message. The entity code assigned to DMAP events is 39.

Fault Event

Entity Code/Event Code **39/1**
Decimal Identifier **16787201**
Severity: Fault
Message: System error, attempting restart.
Meaning: DMAP has experienced a fatal error and is attempting to restart.
Action: Call the Bay Networks Technical Response Center if the system fails to restart.

DOS Events

The Disk Operating System entity, referred to as the DOS entity, issues the following event messages. The entity code assigned to DOS events is 28.

Fault Events

Entity Code/Event Code **28/1**

Decimal Identifier **16784385**

Severity: Fault

Message: System error, service attempting restart.

Meaning: DOS experienced a fatal error and is restarting automatically. DOS will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if DOS fails to restart.

Entity Code/Event Code **28/2**

Decimal Identifier **16784386**

Severity: Fault

Message: Error — SECTOR NOT FOUND ON GIVEN CHAIN!!

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/3**

Decimal Identifier **16784387**

Severity: Fault

Message: Error: s_buffer not released before dos_buf_get
Path:<*subdirectory_name/filename*>

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/4**

Decimal Identifier **16784388**

Severity: Fault

Message: Error: Could not find current buffer on inuse queue
Path: <*subdirectory_name/filename*>

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/5**

Decimal Identifier **16784389**

Severity: Fault

Message: Error: DISK DRIVER FAILURE

Meaning: A DOS disk driver failure has occurred.

Action: Look for a previous entry in the log indicating the reason for failure.

Entity Code/Event Code **28/6**

Decimal Identifier **16784390**

Severity: Fault

Message: Subdirectory is already in memory
Path: <*subdirectory_name*>

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/7**

Decimal Identifier **16784391**

Severity: Fault

Message: Subdirectory is neither in memory nor is it empty
Path: <*subdirectory_name*>

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/8**

Decimal Identifier **16784392**

Severity: Fault

Message: Error, Can't find given FCB on list to remove
Path: <*path_name*>

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/9**

Decimal Identifier **16784393**

Severity: Fault

Message: Error: (DOS FDB Remove) Could not find FDB

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **28/10**

Decimal Identifier **16784394**

Severity: Fault

Message: Internal error: BOOT_SECTOR & DOS_BOOT_INFO out of sync

Meaning: DOS experienced an internal error.

Action: Call the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **28/11**

Decimal Identifier **16784395**

Severity: Info

Message: Directory <*directory_name*>: Bad FAT entry

Meaning: DOS detected a bad entry in the File Allocation Table on the diskette. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset, or hot swap of Slot 2. The files on the diskette are corrupt.

Action: Use a PC to reformat the disk. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/12**

Decimal Identifier **16784396**

Severity: Info

Message: FAT chain for file <*filename*> terminates with a 0

Meaning: DOS detected a bad termination in the File Allocation Table chain on the diskette. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset, or hot swap of Slot 2. The files on the diskette are corrupt.

Action: Use a PC to reformat the disk. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/13**

Decimal Identifier **16784397**

Severity: Info

Message: File <*filename*>: Missing FAT EOF

Meaning: DOS detected a missing File Allocation Table end-of-file marker. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset, or hot swap of Slot 2. The files on the diskette are corrupt.

Action: Use a PC to reformat the disk. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/14**

Decimal Identifier **16784398**

Severity: Info

Message: File <*filename*>: FAT chain intersects another file's

Meaning: DOS detected a sector chain allocated to more than one file. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset, or hot swap of Slot 2.

Action: Use the check disk (CHKDSK) command on a PC to determine which files are corrupt, and delete those files. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/15**

Decimal Identifier **16784399**

Severity: Info

Message: File <*filename*>: Wrong number of clusters for file size
Directory file size: <*size*>, Estimated: <*size*>

Meaning: DOS detected that the directory entry file size and the actual file size do not match. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset or hot swap of Slot 2. The directory on the diskette is corrupt.

Action: Use a PC to reformat the disk. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/16**

Decimal Identifier **16784400**

Severity: Info

Message: Could not read subdirectory: <*directory_name*> status=0x<*status_code*>

Meaning: DOS detected an internal error.

Action: Call the Bay Networks Technical Response Center and report the event number and status code displayed in the text.

Entity Code/Event Code **28/17**

Decimal Identifier **16784401**

Severity: Info

Message: DOS_FSCK_SCAN return <*error_code*> for subdir <*directory_name*>

Meaning: DOS reported an error on the diskette.

Action: Use the check disk (CHKDSK) command on a PC to diagnose the problem. Reformat the diskette if necessary.

Entity Code/Event Code **28/18**

Decimal Identifier **16784402**

Severity: Info

Message: Warning: There are still open files on this drive

Meaning: An attempt was made to unmount a disk that has open files.

Action: Wait for the diskette drive LED to go out. Then enter the Technician Interface **unmount a:** command again.

Entity Code/Event Code **28/19**

Decimal Identifier **16784403**

Severity: Info

Message: Unallocated cluster <*cluster_no.*> in use. <*error_message*>

Meaning: An unallocated cluster is in use. DOS may have been writing to the diskette when it was interrupted by a power reset, boot, reset, or hot swap of Slot 2. The directory on the diskette is corrupt.

Action: Use a PC to reformat the disk. In the future, you can avoid this problem by waiting for the diskette drive LED to go out, entering the Technician Interface **unmount** command, and ensuring that the system does not respond with an error message indicating that a file is in use before you interrupt DOS.

Entity Code/Event Code **28/20**

Decimal Identifier **16784404**

Severity: Info

Message: Allocated cluster <*cluster_number*> NOT in use. <*error_message*>

Meaning: An allocated cluster (sector) is not in use.

Action: The router may in some cases be able to recover from this error when mounting the volume. The Technician Interface displays a message indicating success or failure after a recovery attempt. Enter the **unmount a:** and **mount a:** commands to determine whether DOS fixes the error. If the file system comes up clean, the error is fixed. If an error is detected again, use the check disk (CHKDSK) command with the fix (/F) switch on a PC to free the allocated but unused sectors.

DP Events

The Data Path service, referred to as the DP entity, issues the following event messages. The entity code assigned to DP events is 6.

Fault Event

Entity Code/Event Code **6/1**

Decimal Identifier **16778753**

Severity: Fault

Message: System error, service attempting restart.

Meaning: DP experienced a fatal error and is restarting automatically. DP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if DP fails to restart.

Warning Events

Entity Code/Event Code **6/9**

Decimal Identifier **16778761**

Severity: Warning

Message: Mixed media types on cct <*circuit_no.*>.
Line message for media <*media_type*> ignored.

Meaning: There are multiple and mixed media types on the specified circuit. This message is a result of a configuration error.

Action: Make sure only one line is configured for a single circuit.

Entity Code/Event Code **6/10**

Decimal Identifier **16778762**

Severity: Warning

Message: Multiple lines configured on Circuit <*circuit_no.*>, subsequent lines ignored.

Meaning: There are multiple lines configured on the specified circuit, and subsequent lines are being ignored. This message is a result of a configuration error.

Action: Make sure only one line is configured for a single circuit.

Entity Code/Event Code **6/68**

Decimal Identifier **16778820**

Severity: Warning

Message: Priority Queuing Length Based Filter disabled, cannot use the LBP filter for IP Circuit *<circuit_no.>*.

Meaning: A length-based filter was configured for IP. This is not allowed; therefore the filter was disabled.

Action: Remove this IP filter and specify IP-specific prioritizations.

Entity Code/Event Code **6/69**

Decimal Identifier **16778821**

Severity: Warning

Message: Invalid priority returned for Circuit *<circuit_no.>*

Meaning: An invalid priority was returned for the specified circuit, probably due to memory corruption or invalid configuration data.

Action: Check your configuration.

Entity Code/Event Code **6/70**

Decimal Identifier **16778822**

Severity: Warning

Message: Failure to initialize priority queuing.

Meaning: Protocol prioritization cannot be initialized because of a lack of memory resources.

Action: Reboot. If this fails, you may have to disable some other entity.

Entity Code/Event Code **6/79**

Decimal Identifier **16778831**

Severity: Warning

Message: Percent for Priority Queuing should total 100, defaulting.

Meaning: The percent utilizations you have configured for the high, normal, and low queues do not total 100. System will use defaults of 70 percent for high queue, 20 percent for normal queue, and 10 percent for low queue.

Action: If you do not want to use the defaults, reconfigure the percent utilizations.

Entity Code/Event Code **6/81**

Decimal Identifier **16778833**

Severity: Warning

Message: Line <*slot_ no.*>:<*connector_no.*> not valid for a circuit group.

Meaning: You tried to group the specified line with other lines to make a circuit group, but the specified line is not a valid line type for a circuit group.

Action: Select a different circuit for this connector.

Entity Code/Event Code **6/82**

Decimal Identifier **16778834**

Severity: Warning

Message: Line <*slot_no.*>:<*connector_no.*> MTU <*MTU_value*>, not same circuit MTU <*MTU_value*>, ignoring line.

Meaning: You tried to group a line with a circuit group that had a different Maximum Transmission Unit (MTU) value.

Action: Change the MTU value of the line you are trying to add to match the MTU of the circuit group.

Entity Code/Event Code **6/92**

Decimal Identifier **16778844**

Severity: Warning

Message: <*circuit_no.*>: Multi-Protocol encapsulation is not configured for Bridging.

Meaning: You must configure multi-protocol encapsulation (MPE) for this circuit.

Action: Configure MPE for the ATM interface or circuit.

Info Events

Entity Code/Event Code **6/2**

Decimal Identifier **16778754**

Severity: Info

Message: Circuit <*circuit_no.*> down.

Meaning: The specified circuit is down.

Entity Code/Event Code **6/3**

Decimal Identifier **16778755**

Severity: Info

Message: Circuit <*circuit_no.*> up.

Meaning: The specified circuit is up.

Entity Code/Event Code **6/4**

Decimal Identifier **16778756**

Severity: Info

Message: Service initializing.

Meaning: DP is initializing.

Entity Code/Event Code **6/5**

Decimal Identifier **16778757**

Severity: Info

Message: Bridge Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*>. (Drop packet)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was dropped, as specified by the filter.

Entity Code/Event Code **6/6**

Decimal Identifier **16778758**

Severity: Info

Message: Bridge Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*>. (Log only)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was logged, as specified by the filter.

Entity Code/Event Code **6/7**

Decimal Identifier **16778759**

Severity: Info

Message: Bridge Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*>. (Flood packet)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was flooded, as specified by the filter.

Entity Code/Event Code **6/8**

Decimal Identifier **16778760**

Severity: Info

Message: Bridge Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*>. (Forward to specific circuits)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was forwarded, as specified by the filter.

Entity Code/Event Code **6/80**

Decimal Identifier **16778832**

Severity: Info

Message: Line <*slot_no.*>:<*connector_no.*> added to group of <*no._lines*> lines for cct <*circuit_no.*>.

Meaning: The specified connector was added to the specified number of lines that make up the specified circuit group.

Entity Code/Event Code **6/84**

Decimal Identifier **16778836**

Severity: Info

Message: Last line in circuit died, circuit <*circuit_no.*> going down.

Meaning: The last active line in a multiline circuit group has gone down which causes the circuit to go to the down state.

Entity Code/Event Code **6/85**

Decimal Identifier **16778835**

Severity: Info

Message: Line deleted from circuit <*circuit_no.*>, <*no._lines*> active lines left.

Meaning: A line within a multiline circuit group has gone down, leaving on the specified number of active lines.

Trace Events

Entity Code/Event Code **6/71**

Decimal Identifier **16778823**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Queue High and Log)

Meaning: The system received a packet that matched the specified rule on the specified circuit and put the packet into the high queue.

Entity Code/Event Code **6/72**

Decimal Identifier **16778824**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Queue Low and Log)

Meaning: The system received a packet that matched the specified rule on the specified circuit and put the packet into the low queue.

Entity Code/Event Code **6/73**

Decimal Identifier **16778825**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Log Only)

Meaning: The system received a packet that matched the specified rule on the specified circuit. The system took no action other than to generate this log message.

Entity Code/Event Code **6/74**

Decimal Identifier **16778826**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Drop)

Meaning: The system received a packet that matched the specified rule on the specified circuit and dropped the packet.

Entity Code/Event Code **6/88**

Decimal Identifier **16778840**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Length-based, length = <*packet_length*>*)*

Meaning: The system received a packet that matched the specified rule on the specified circuit. The packet's length is indicated by <*packet_length*>.

Entity Code/Event Code **6/90**

Decimal Identifier **16778842**

Severity: Trace

Message: cct <*circuit_no.*>: Outgoing pkt dropped; no header space.

Meaning: The system received a packet from Ethernet or FDDI that was to be bridged over Frame Relay or ATM. When Frame Relay or ATM tried to add the necessary header information to the packet, there was not enough space for the header. Therefore, the system dropped the packet.

Entity Code/Event Code **6/93**

Decimal Identifier **16778845**

Severity: Trace

Message: Priority Queuing Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Accept)

Meaning: The outgoing circuit received and scheduled for transmission a packet that matched the specified Accept Filter rule.

DS1E1 Events

The Multichannel T1/E1 driver service, referred to as the DS1E1 entity, issues the following event messages. The entity code assigned to DS1E1 events is 63.

Fault Event

Entity Code/Event Code **63/1**

Decimal Identifier **16793345**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The MCT1 driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Contact the Bay Networks Technical Response Center if the MCT1 module fails to restart.

Warning Events

Entity Code/Event Code **63/2**

Decimal Identifier **16793346**

Severity: Warning

Message: Connector COM <*connector_no.*> out of range.

Meaning: The T1 connector identified by <*connector_no.*> is invalid (has a value other than 1 or 2) and will be ignored.

Action: Modify the MCT1 configuration.

Note: *You should not see this message if you used Site Manager to configure MCT1. (Site Manager automatically checks for invalid connector IDs.)*

Entity Code/Event Code **63/3**

Decimal Identifier **16793347**

Severity: Warning

Message: Connector COM <*connector_no.*> logical line <*line_no.*> transmitter timeout.

Meaning: The designated connector could not transmit a Breath-of-Life frame within the Breath-of-Life interval.

Action: Check for the presence of a valid clocking signal or check the configuration.

Entity Code/Event Code **63/4**

Decimal Identifier **16793348**

Severity: Warning

Message: Connector COM <*connector_no.*> logical line <*line_no.*> receiver timeout.

Meaning: The designated connector did not receive a Breath-of-Life frame within the Breath-of-Life interval.

Action: Verify cable integrity. Confirm that the remote end is configured for Breath-of-Life transmission.

Entity Code/Event Code **63/5**

Decimal Identifier **16793349**

Severity: Warning

Message: Connector COM <*connector_no.*> not verified with diagnostic.

Meaning: Power-up diagnostics did not run on the designated connector.

Action: If you want to verify COM <*connector_no.*> integrity, rerun the power-up diagnostics by issuing the Technician Interface **diags** command to the slot in question.

Entity Code/Event Code **63/6**

Decimal Identifier **16793350**

Severity: Warning

Message: Connector COM <*connector_no.*> Munich interrupt queue has more than 400 entries.

Meaning: MCT1 is receiving an excessive number of spurious interrupts.

Action: Verify the port configuration. If the condition persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **63/7**

Decimal Identifier **16793351**

Severity: Warning

Message: Connector COM <*connector_no.*> arack queue full.

Meaning: MCT1 is receiving an excessive number of spurious interrupts.

Action: Verify the port configuration. If the condition persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **63/8**

Decimal Identifier **16793352**

Severity: Warning

Message: Connector COM <*connector_no.*> action request time-out, action specification register <*hex_value*>.

Meaning: MCT1 detected an error during initialization of the specified port.

Action: Verify the port configuration. Contact the Bay Networks Technical Response Center if the message recurs.

Entity Code/Event Code **63/9**

Decimal Identifier **16793353**

Severity: Warning

Message: Connector COM <*connector_no.*> logical line <*line_no.*> disabled.

Meaning: The specified logical line on the specified port was disabled.

Entity Code/Event Code **63/10**

Decimal Identifier **16793354**

Severity: Warning

Message: Connector COM <*connector_no.*> disabled.

Meaning: The specified MCT1 port is disabled.

Entity Code/Event Code **63/11**

Decimal Identifier **16793355**

Severity: Warning

Message: Connector COM <*connector_no.*> enabled.

Meaning: The specified MCT1 port is enabled and providing service.

Entity Code/Event Code **63/12**

Decimal Identifier **16793356**

Severity: Warning

Message: Primary clock lost.

Meaning: The primary clock source has been withdrawn or failed. MCT1 will use the secondary clock source to derive timing signals.

Entity Code/Event Code **63/13**

Decimal Identifier **16793357**

Severity: Warning

Message: Primary clock ok

Meaning: The primary clock has been restored.

Entity Code/Event Code **63/14**

Decimal Identifier **16793358**

Severity: Warning

Message: Connector COM <*connector_no.*> Loss of signal failure.

Meaning: MCT1 declared a Loss of Signal (LOS) failure across the specified port. The failure occurred after detection of an Out-Of-Frame (OOF) condition for a configurable period of time, *T*, where $2 < T < 10$ seconds. Receiving two of four, or two of five, consecutive framing bits that contain a bit error in the framing pattern triggers the OOF condition. MCT1 clears the LOS condition state (Red Alarm) after the Out-Of-Frame condition is cleared.

Entity Code/Event Code **63/15**

Decimal Identifier **16793359**

Severity: Warning

Message: Connector COM <*connector_no.*> Loss of frame failure.

Meaning: MCT1 declared a Loss of Frame (LOF) failure across the specified port. Receiving two of four, or two of five, consecutive framing bits that contain a bit error in the framing pattern triggers the LOF condition. MCT1 clears the LOF condition state (Red Alarm) after receiving the proper framing pattern.

Entity Code/Event Code **63/16**

Decimal Identifier **16793360**

Severity: Warning

Message: Connector COM <*connector_no.*> Alarm indication signal failure.

Meaning: MCT1 detected an unframed, all-ones bit pattern in the received data stream across the specified port and issued an Alarm Indication Signal (AIS). MCT1 clears the AIS condition after receiving a properly framed bit stream.

Entity Code/Event Code **63/17**

Decimal Identifier **16793361**

Severity: Warning

Message: Connector COM <*connector_no.*> Remote alarm indication failure.

Meaning: The remote end of the specified MCT1 port has detected an unframed, all-ones bit pattern in the received data stream and issued an Alarm Indication Signal (AIS), or Yellow Alarm. The remote end clears the AIS condition after receiving a properly framed bit stream.

Entity Code/Event Code **63/18**

Decimal Identifier **16793362**

Severity: Warning

Message: Connector COM <*connector_no.*> failure cleared.

Meaning: MCT1 has cleared a previously generated alarm.

Entity Code/Event Code **63/54**

Decimal Identifier **16793398**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*> brought down due to excessive errors.

Meaning: A logical line was brought down due to excessive errors. Other logical lines on the connector are not affected.

Entity Code/Event Code **63/58**

Decimal Identifier **16793402**

Severity: Warning

Message: Connector COM <*connector_no.*> initialization aborted (wrong module type).

Meaning: There is incompatibility between the configuration and the link module in use. This error occurs if you attempt to configure E1 on an MCE1 link module or T1 on an MCT1 module.

Action: Check the configuration and the installed hardware.

Entity Code/Event Code **63/59**

Decimal Identifier **16793403**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*> Illegal time-slot assignment.

Meaning: The time slot assignment for the specified logical line is illegal. If the media type is T1, then a time slot greater than 24 was specified. If the media type is E1, then a time slot greater than 31 was specified.

Action: Configure the time slot for the logical line in the following range:

For T1 lines — 1 to 24
For MC T1— 1 to 31

Entity Code/Event Code **63/60**

Decimal Identifier **16793404**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*> time-slot 16 cannot be used for data.

Meaning: Time slot 16 is not valid for E1MF and E1MFCRC line types. Time slot 16 is used for signaling on E1MF and E1MFCRC.

Action: Do not use time slot 16.

Entity Code/Event Code **63/64**

Decimal Identifier **16793408**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*>, remote loopback detected.

Meaning: The driver detected a remote loopback condition. The driver detects this condition only if both BOFL and Remote Loopback Detection are enabled. The driver detects this condition if it receives BOFL packets with a destination MAC address is equal to the address of this interface. The state of the line will be set to REMOTELOOP and the line driver will be restarted. The line stays in down state until the remote loopback condition clears.

Action: If the loopback condition is unintended, contact the service providers between this site and the remote site and determine where the loopback is occurring. Arrange for the loopback to be removed.

Entity Code/Event Code **63/65**

Decimal Identifier **16793409**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*>, remote loopback cleared.

Meaning: A remote loopback condition has been cleared. The driver returns to the UP state and provides service to router or BNX platform. The driver detects this condition if BOFL and Remote Loopback Detection are enabled. The driver detects the cleared remote loopback condition when it receives a BOFL frame, indicating the remote is able to send packets to this interface.

Entity Code/Event Code **63/66**

Decimal Identifier **16793410**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*>, remote end reports not receiving frames.

Meaning: The remote end has reported through BOFL that it is not receiving frames. This could be caused by a disconnect in the transmission cable from this router or BNX platform to the remote device even though the cable is still intact.

Action: Check the connections between the local and remote routers.

Entity Code/Event Code **63/68**

Decimal Identifier **16793412**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical line <*line_no.*>, continues to get excessive RX errors.

Meaning: The specified logical line continues to sustain an excessive amount of receive errors during sample periods greater than 1 second. This may indicate an incorrect configuration of the time slot assignments. Note that this is the last event log message for this condition until the condition is cleared. The condition is considered cleared when the logical line survives one sample period (approximately 2 seconds) with ANY Rx errors.

Action: Check configuration time slot assignment for specified logical line.

Entity Code/Event Code **63/71**

Decimal Identifier **16793415**

Severity: Warning

Message: Module<*module_no.*>, Framer CoProcessor software download failed.

Meaning: The device driver has been unable to successfully download the Framer CoProcessor image into the Framer CoProcessor memory on the I/O board. Verification errors have been detected after the downloads. The device driver is aborting efforts to bring up the logical lines on this I/O board.

Action: This could be a hardware error. Report this problem to Bay Networks Technical Response Center.

Entity Code/Event Code **63/73**

Decimal Identifier **16793417**

Severity: Warning

Message: Connector COM <*connector_no.*>, FDL Stats corrupted, being cleared.

Meaning: Upon power-up, the Framer CoProcessor found FDL stats were being updated when the module was last powered off. This indicates that some of the stats may be corrupted. The Device Driver will automatically clear the stats stored in the non-volatile memory on the I/O board.

Entity Code/Event Code **63/75**

Decimal Identifier **16793419**

Severity: Warning

Message: Connector COM <*connector_no.*>, Transmit Clock Loss.

Meaning: Transmit clock stopped functioning.

Action: Check the external clock. This is the only clock source that should cause this problem. The internal clock should always work and the loop clocks are based off of the Framer chips Phase Lock Loop which should never be lost.

Entity Code/Event Code **63/76**

Decimal Identifier **16793420**

Severity: Warning

Message: Connector COM <*connector_no.*>, Primary clock lost.

Meaning: The primary clock stopped functioning. The secondary clock source will be used if available.

Action: Check cabling of clock source that was lost.

Entity Code/Event Code **63/78**

Decimal Identifier **16793422**

Severity: Warning

Message: Connector COM <*connector_no.*>, Secondary clock lost.

Meaning: The secondary clock stopped functioning. The internal clock source will be used.

Action: Check the cabling of the clock source that was lost.

Entity Code/Event Code **63/80**

Decimal Identifier **16793424**

Severity: Warning

Message: Connector COM <*connector_no.*>, Port is no longer in a Loopback state.

Meaning: The port was taken out of loopback.

Action: Check the previous log message for an indication of why the port was taken out of loopback.

Entity Code/Event Code **63/81**

Decimal Identifier **16793425**

Severity: Warning

Message: Connector COM <*connector_no.*>, Logical Line <*line _no.*> denied BERT, already used by Logical Line <*line _no.*>.

Meaning: A logical line attempted to use the BERT while it was already assigned to another logical line.

Action: Check the configuration to make sure multiple logical lines are not configured to use the BERT.

Entity Code/Event Code **63/82**

Decimal Identifier **16793426**

Severity: Warning

Message: Connector COM <*connector_no.*>, Fractional LoopCode not sent on Logical Line <*line _no.*> BERT already used by Logical Line <*line _no.*>

Meaning: The requested logical line cannot send Fractional T1 Loop Code because another logical line is already using the BERT chip.

Action: Check the configuration to find if what other logical line is already configured to use the BERT.

Entity Code/Event Code **63/83**

Decimal Identifier **16793427**

Severity: Warning

Message: Connector COM <*connector_no.*>, Fractional LoopCode not sent, Logical Line <*line _no.*> not configured.

Meaning: The logical line was not configured and couldn’t send the Fractional T1 Loop Code through the Action MIB.

Action: Configure the logical line before sending Fractional T1 Loop Code.

Entity Code/Event Code **63 /87**

Decimal Identifier **16793431**

Severity: Warning

Message: `Module` <*module_no.*>, Framer CoProcessor Event Ring found FULL at 0x%03x.

Meaning: The Framer CoProcessor's event ring overflowed. Information was lost between the host and the Framer Coprocessor. This indicates a software problem which must be fixed.

Action: Report this problem to the Bay Networks Technical Response Center.

Entity Code/Event Code **63/88**

Decimal Identifier **16793432**

Severity: Warning

Message: `Module` <*module_no.*>, Framer CoProcessor Command Ring found FULL at 0x%03x.

Meaning: The Framer CoProcessor's command ring overflowed. Information was lost between the host and the Framer Coprocessor. This indicates a software problem which must be fixed.

Action: Report this problem to the Bay Networks Technical Response Center.

Entity Code/Event Code **63/90**

Decimal Identifier **16793434**

Severity: Warning

Message: `Module` <*connector_no.*> aborting init. No Module Present in this Module location.

Meaning: For the ASN, MCE1 and MCT1 Net Module, a configured module is not present.

Action: Install the module or remove its configuration.

Entity Code/Event Code **63/91**

Decimal Identifier **16793435**

Severity: Warning.

Message: `Module` <*connector_no.*> aborting init. Wrong Module type in this Module location.

Meaning: For the ASN, MCE1 and MCT1 Net Module, although this DS1E1 module is configured, the installed Module is not the correct type.

Action: Check the type and configuration of the module.

Entity Code/Event Code **63/92**

Decimal Identifier **16793436**

Severity: Warning

Message: `Module` <*connector_no.*> aborting init. Diag failed (status=0x%x).

Meaning: For the ASN, MCE1 and MCT1 Net Module, diagnostics indicate a failed status for this DS1E1 module.

Action: The module is bad. Install a new module and verify that it passes diagnostics.

Info Events

Entity Code/Event Code **63/19**

Decimal Identifier **16793363**

Severity: Info

Message: Service initializing.

Meaning: MCT1 is initializing.

Entity Code/Event Code **63/20**

Decimal Identifier **16793364**

Severity: Info

Message: Connector COM <*connector_no.*> configuration deleted.

Meaning: The specified port configuration has been deleted.

Entity Code/Event Code **63/21**

Decimal Identifier **16793365**

Severity: Info

Message: Connector COM <*connector_no.*> logical line <*line_no.*> providing LLC service.

Meaning: The specified connector is enabled and providing LLC service.

Entity Code/Event Code **63/22**

Decimal Identifier **16793366**

Severity: Info

Message: Connector COM <*connector_no.*> logical line <*line_no.*> LLC service withdrawn.

Meaning: The specified connector has ceased to provide LLC service.

Entity Code/Event Code **63/23**

Decimal Identifier **16793367**

Severity: Info

Message: Primary and secondary clocks unoperational - Switching to Internal Clock Source.

Meaning: The primary and secondary sources of timing signals (specified by the Primary Clock Source and Secondary Clock Source global parameters) have been withdrawn or have failed. MCT1 will attempt to generate timing signals internally.

Entity Code/Event Code **63/24**

Decimal Identifier **16793368**

Severity: Info

Message: Connector COM <*connector_no.*> B8ZS code received on line configured for AMI.

Meaning: B8ZS (Binary 8 Zeros Suppression) coding has been detected on a line configured for AMI (Address Mark Inversion) coding.

Entity Code/Event Code **63/25**

Decimal Identifier **16793369**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - Type RAI.

Meaning: MCT1 received an unscheduled Remote Alarm Indication on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/26**

Decimal Identifier **16793370**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - Type loopback retention.

Meaning: MCT1 received an unscheduled loopback retention message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/27**

Decimal Identifier **16793371**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - type Line Loopback Activate.

Meaning: MCT1 received an unscheduled line loopback activate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/28**

Decimal Identifier **16793372**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - type Line Loopback Deactivate.

Meaning: MCT1 received an unscheduled line loopback deactivate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/29**

Decimal Identifier **16793373**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - Type loopback activate.

Meaning: MCT1 received an unscheduled loopback activate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/30**

Decimal Identifier **16793374**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - type Payload Loopback Activate.

Meaning: MCT1 received an unscheduled payload loopback activate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/31**

Decimal Identifier **16793375**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - Type payload loopback deactivate.

Meaning: MCT1 received an unscheduled payload loopback deactivate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/32**

Decimal Identifier **16793376**

Severity: Info

Message: Connector COM <*connector_no.*> Unscheduled FDL message received - Type universal loopback deactivate.

Meaning: MCT1 received an unscheduled universal loopback deactivate message on the specified port over the ANSI Facility Data Link.

Entity Code/Event Code **63/33**

Decimal Identifier **16793377**

Severity: Info

Message: Connector COM <*connector_no.*> Undocumented unscheduled FDL message received.

Meaning: MCT1 received an unscheduled and unknown message type on the specified port over the Facility Data Link.

Entity Code/Event Code **63/34**

Decimal Identifier **16793378**

Severity: Info

Message: Connector COM <*connector_no.*> Loop timing source OK.

Meaning: MCT1 is receiving valid loop timing signals from Port 0 or Port1.

Entity Code/Event Code **63/35**

Decimal Identifier **16793379**

Severity: Info

Message: Connector COM <*connector_no.*> Loop timing source lost.

Meaning: MCT1 has lost the source of loop timing.

Entity Code/Event Code **63/36**

Decimal Identifier **16793380**

Severity: Info

Message: External clock source OK.

Meaning: MCT1 is receiving valid timing signals from an external source.

Entity Code/Event Code **63/37**

Decimal Identifier **16793381**

Severity: Info

Message: External clock source lost.

Meaning: The external clock has been withdrawn or has failed.

Entity Code/Event Code **63/38**

Decimal Identifier **16793382**

Severity: Info

Message: Connector COM <*connector_no.*> logical line <*line_no.*> Operator entry error.

Meaning: MCT1 detected an error in the “channel assignment” entry.

Entity Code/Event Code **63/56**

Decimal Identifier **16793400**

Severity: Info

Message: Connector COM <*connector_no.*> received loop-up code.

Meaning: Port <*port_ID*> is entering a loopback state, because it received a T1 loop-up code from the T1 line.

Entity Code/Event Code **63/57**

Decimal Identifier **16793401**

Severity: Info

Message: Connector COM <*connector_no.*> received loop-down code.

Meaning: Port <*port_ID*> is exiting from loopback state, because it received a T1 loop-down code from the T1 line.

Entity Code/Event Code **63/69**

Decimal Identifier **16793413**

Severity: Info

Message: Connector COM <*connector_no.*>, Logical Line <*line _no.*> is no longer getting Rx errors.

Meaning: The specified logical line is no longer experiencing Rx errors.

Entity Code/Event Code **63/70**

Decimal Identifier **16793414**

Severity: Info

Message: Connector COM<*connector_no.*>, Logical Line <*line_no.*> configuration deleted.

Meaning: The specified logical line has been dynamically deleted from the configuration.

Entity Code/Event Code **63/74**

Decimal Identifier **16793418**

Severity: Info

Message: Connector COM <*connector_no.*>, FDL Stats being cleared by user request.

Meaning: The FDL stats for the specified port are clearing in the nonvolatile memory on the I/O board, in response to the user issuing a Clear through the wfDs1E1ActionEntry MIB attribute for Clearing Stats.

Entity Code/Event Code **63/77**

Decimal Identifier **16793421**

Severity: Info

Message: Connector COM <*connector_no.*>, Primary clock OK.

Meaning: The primary clock began to function again and was selected.

Entity Code/Event Code **63/79**

Decimal Identifier **16793423**

Severity: Info

Message: Connector COM <*connector_no.*>, Secondary clock OK.

Meaning: The secondary clock began to function again and is selected as the clock source.

Entity Code/Event Code **63/84**

Decimal Identifier **16793428**

Severity: Info

Message: Connector COM <*connector_no.*>, Clock changed from clock <*connector_no.*> to clock <*connector_no.*>.

Meaning: The QMCT1 module changed clock sources because either a clock became operational or non-operational.

Action: Check the cabling and alarm for the nonoperational clock.

Entity Code/Event Code **63/85**

Decimal Identifier **16793429**

Severity: Info

Message: Connector COM <*connector_no.*>, Logical Line <*line _no.*> entering loopback. Fractional Code detected.

Meaning: This logical line just entered Hardware Fractional T1 Loopback. All data received for this logical line is looped back out as transmit data on this logical line. The message "Fractional Code detected" indicates that the remote end sent Fractional Loopback code across the wire that was detected by this QMCT1 module. In response to a Loop Up code, this module will place the Logical Line into loopback. In response to a Loop Down code, it will take the Logical Line out of loopback.

Action: To end loopback, either send Fractional T1 Loop Down Code from the remote end or use Site Manager to clear the Fractional T1 Loopback state.

Entity Code/Event Code **63/86**

Decimal Identifier **16793430**

Severity: Info

Message: Connector COM <*connector_no.*>, Logical Line <*line _no.*>‘exiting loopback. Fractional Code detected.”

Meaning: This logical line is no longer in Hardware Fractional T1 Loopback mode, as a result of a Fractional T1 Loop Down Code from the remote end or a clearing of the Fractional T1 Loopback state in Site Manager.

DVMRP Events

The Distance Vector Multicast Routing Protocol, referred to as the DVMRP entity, issues the following event messages. The entity code assigned to DVMRP events is 82.

Fault Event

Entity Code/Event Code **82/1**

Decimal Identifier **16798209**

Severity: Fault

Message: System Error, service attempting restart

Meaning: DVMRP experienced the fatal error <*fatal_error_message*> and is restarting automatically. DVMRP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if DVMRP fails to restart.

Warning Event

Entity Code/Event Code **82/10**

Decimal Identifier **16798218**

Severity: Warning

Message: Conflicting origin/mask for route. Current route: <*IP_address/mask*>, Received route: <*IP_address/mask*>

Meaning: The mask portion of the route in the received report differs from the mask portion of the current route stored in the routing table.

Action: This condition may correct itself. If not, contact your route supplier.

Info Events

Entity Code/Event Code **82/2**

Decimal Identifier **16798210**

Severity: Info

Message: DVMRP multicast processing started

Meaning: The DVMRP subsystem has been started, and it has found a valid wfDvmrpBase mib entry.

Entity Code/Event Code **82/3**

Decimal Identifier **16798211**

Severity: Info

Message: DVMRP multicast processing terminated

Meaning: The DVMRP subsystem has been terminated; for example, the wfDvmrpBase entry has been marked as DELETED or DISABLED.

Entity Code/Event Code **82/4**

Decimal Identifier **16798212**

Severity: Info

Message: DVMRP loader gate started

Meaning: The dynamic loader has successfully loaded the DVMRP subsystem.

E1 Events

The E1 driver service, referred to as the E1 entity, issues the following event messages. The entity code assigned to E1 events is 35.

Fault Event

Entity Code/Event Code **35/1**

Decimal Identifier **16786177**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The E1 driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the E1 driver fails to restart.

Warning Events

Entity Code/Event Code **35/2**

Decimal Identifier **16786178**

Severity: Warning

Message: Connector E1_<*connector_no.*> out of range.

Meaning: The E1 connector identified by <*connector_no.*> is invalid (a value other than 1 or 2) and will be ignored.

Action: Modify the E1 configuration to reflect a connector number of 1 or 2.

Note: *You should not see this message if you configured E1 using Site Manager, because Site Manager rejects invalid connector identification.*

Entity Code/Event Code **35/3**

Decimal Identifier **16786179**

Severity: Warning

Message: Connector E1_<*connector_no.*> diagnostic failed.

Meaning: The specified E1 connector failed powerup diagnostics and has been disabled.

Action: Verify the integrity of the E1 link module.

Entity Code/Event Code **35/4**

Decimal Identifier **16786180**

Severity: Warning

Message: Connector E1_<*connector_no.*> not verified with diagnostic.

Meaning: Powerup diagnostics were aborted/terminated prior to verifying the specified E1 connection.

Action: Rerun diagnostics to verify the integrity of the E1 link module.

Entity Code/Event Code **35/5**

Decimal Identifier **16786181**

Severity: Warning

Message: Connector E1_<*connector_no.*> unknown state variable value.

Meaning: The E1 line driver state MIB object (wfE1state) contained an invalid entry. Valid entries are as follows:

1 for UP

3 for INITializing

4 for NOTPRESENT

Action: None required, because E1 will restart the connection.

Info Events

Entity Code/Event Code **35/6**

Decimal Identifier **16786182**

Severity: Info

Message: Connector E1_<*connector_no.*> instance record deleted.

Meaning: The E1 record for the connector identified by <*connector_no.*> has been deleted from the configuration.

Entity Code/Event Code **35/7**

Decimal Identifier **16786183**

Severity: Info

Message: Connector E1_<*connector_no.*> line disabled.

Meaning: E1 service has been disabled on the connector identified by <*connector_no.*>.

Entity Code/Event Code **35/8**

Decimal Identifier **16786184**

Severity: Info

Message: Connector E1_<*connector_no.*> line enabled.

Meaning: E1 service has been enabled on the connector identified by <*connector_no.*>.

Entity Code/Event Code **35/9**

Decimal Identifier **16786185**

Severity: Info

Message: Connector E1_<*connector_no.*> providing framer service.

Meaning: E1 is enabled and providing service on the connector identified by <*connector_no.*>.

Entity Code/Event Code **35/10**

Decimal Identifier **16786186**

Severity: Info

Message: Connector E1_<*connector_no.*> Sync loss detected.

Meaning: Framing sequence has been lost.

Entity Code/Event Code **35/11**

Decimal Identifier **16786187**

Severity: Info

Message: Connector E1_<*connector_no.*> remote alarm active.

Meaning: E1 received a message indicating that an alarm condition has been declared/generated by the network/CPE equipment.

Entity Code/Event Code **35/12**

Decimal Identifier **16786188**

Severity: Info

Message: Connector E1_<*connector_no.*> remote multiframe alarm active.

Meaning: E1 received a Distant Multiframe Alarm signal (issued when bit 6 of time slot 16 in frame 0 is set for 3 consecutive frames).

Entity Code/Event Code **35/13**

Decimal Identifier **16786189**

Severity: Info

Message: Connector E1_<*connector_no.*> sync loss condition clearing.

Meaning: Signal resync is in progress.

Entity Code/Event Code **35/14**

Decimal Identifier **16786190**

Severity: Info

Message: Connector E1_<*connector_no.*> sync loss condition deactivated.

Meaning: Signal resync has been completed.

Entity Code/Event Code **35/15**

Decimal Identifier **16786191**

Severity: Info

Message: Connector E1_<*connector_no.*> remote alarm clearing.

Meaning: The condition that generated a previously transmitted alarm message is being rectified.

Entity Code/Event Code **35/16**

Decimal Identifier **16786192**

Severity: Info

Message: Connector E1_<*connector_no.*> remote alarm active.

Meaning: The condition that generated a previously transmitted alarm message has been rectified.

Entity Code/Event Code **35/17**

Decimal Identifier **16786193**

Severity: Info

Message: Connector E1_<*connector_no.*> clock being recovered from port 2.

Meaning: The E1 connector identified by <*connector_no.*> is recovering the master clock via Port 2.

Entity Code/Event Code **35/18**

Decimal Identifier **16786194**

Severity: Info

Message: Connector E1_<*connector_no.*> clock being recovered from port 1.

Meaning: The E1 connector identified by <*connector_no.*> is recovering the master clock via Port 1.

Entity Code/Event Code **35/19**

Decimal Identifier **16786195**

Severity: Info

Message: Service initializing.

Meaning: E1 is initializing.

Entity Code/Event Code **35/20**

Decimal Identifier **16786196**

Severity: Info

Message: Connector E1_<*connector_no.*> remote multiframe alarm clearing.

Meaning: The condition that generated a previously transmitted multiframe alarm message is being rectified.

Entity Code/Event Code **35/21**

Decimal Identifier **16786197**

Severity: Info

Message: Connector E1_<*connector_no.*> remote multiframe alarm cleared.

Meaning: The condition that generated a previously transmitted multiframe alarm message has been rectified.

EGP Events

The Exterior Gateway Protocol service, referred to as the EGP entity, issues the following event messages. The entity code assigned to EGP events is 46.

Fault Event

Entity Code/Event Code **46/1**

Decimal Identifier **16788993**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The EGP protocol experienced a fatal error and is restarting automatically. EGP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if EGP fails to restart.

Warning Events

Entity Code/Event Code **46/16**

Decimal Identifier **16789008**

Severity: Warning

Message: Bad version <*no.*> from peer <*IP_address*>, AS <*no.*>

Meaning: The peer indicated by the IP address and AS number is running the wrong version of EGP.

Action: Check the peer to make sure that it is running EGP Version 2.

Entity Code/Event Code **46/17**

Decimal Identifier **16789009**

Severity: Warning

Message: Invalid AS <*no.*> from peer <*IP_address*>

Meaning: The peer indicated by <*IP_address*> is returning an AS number that is not within the valid range. The AS number must be between 1 and 65535.

Action: Make sure that the peer's AS number is reconfigured to an appropriate value.

Entity Code/Event Code **46/18**

Decimal Identifier **16789010**

Severity: Warning

Message: Unknown AS <*no.*> from peer <*IP_address*>, should be <*no.*>.

Meaning: After the connection is already established, the peer indicated by <*IP_address*> is returning a different AS number than the one it originally returned.

Action: Check the peer to make sure it is configured correctly.

Entity Code/Event Code **46/19**

Decimal Identifier **16789011**

Severity: Warning

Message: Bad AS <*no.*> from peer <*IP_address*>, Local AS <*no.*>

Meaning: The remote peer indicated by <*IP_address*> has sent a packet with the same AS number as the local peer.

Action: Reconfigure the AS number of one of the peers on this connection.

Entity Code/Event Code **46/20**

Decimal Identifier **16789012**

Severity: Warning

Message: Incorrect checksum <*no.*> from peer <*IP_address*>, should be <*no.*>

Meaning: The local peer received a packet with an incorrect checksum from the peer indicated by <*IP_address*>.

Action: If you get several of these messages, try restarting the peer.

Entity Code/Event Code **46/21**

Decimal Identifier **16789013**

Severity: Warning

Message: Invalid type <*no.*> from peer <*IP_address*>, AS <*no.*>

Meaning: The local peer received an EGP packet of an invalid type from the peer indicated by <*IP_address*>, AS <*no.*>.

Action: Check the configuration of the peer that transmitted the bad packet.

Entity Code/Event Code **46/22**

Decimal Identifier **16789014**

Severity: Warning

Message: Invalid code <*no.*> from peer <*IP_address*>, Type <*no.*>

Meaning: The local peer received an EGP packet with an invalid code number from the peer indicated by <*IP_address*>.

Action: Check the configuration of the peer that transmitted the bad packet.

Entity Code/Event Code **46/23**

Decimal Identifier **16789015**

Severity: Warning

Message: Bad Hello — code <*no.*> from peer <*IP_address*>, type <*no.*>

Meaning: The local peer received a Hello packet with a bad code from the peer indicated by <*IP_address*>.

Action: Check the configuration of the peer that transmitted the bad packet.

Entity Code/Event Code **46/24**

Decimal Identifier **16789016**

Severity: Warning

Message: Bad IHU — code <*no.*> from peer <*IP_address*>, type <*no.*>

Meaning: The local peer received an IHU packet with a bad code from the peer indicated by <*IP_address*>.

Action: Check the configuration of the peer that transmitted the bad packet.

Entity Code/Event Code **46/25**

Decimal Identifier **16789017**

Severity: Warning

Message: Poll interval <*hsec*> out of range — peer <*IP_address*>.

Meaning: The local peer received an invalid poll interval from the peer indicated by <*IP_address*>. The poll interval was not within the valid range (120 to 480 hundredths of a second).

Action: Reconfigure the poll timer on the peer that transmitted the bad poll interval.

Entity Code/Event Code **46/26**

Decimal Identifier **16789018**

Severity: Warning

Message: Hello interval <*sec*> out of range — peer <*IP_address*>

Meaning: The local peer received an invalid hello interval from the peer indicated by <*IP_address*>. The hello interval was not within the valid range (30 to 120 seconds).

Action: Reconfigure the hello timer on the peer that transmitted the bad hello interval.

Entity Code/Event Code **46/27**

Decimal Identifier **16789019**

Severity: Warning

Message: Bad polling mode <*passive*> ours <*passive*> — peer <*IP_address*>

Meaning: Both the local peer and the remote peer, indicated by <*IP_address*>, are in the passive polling mode.

Action: Reconfigure the polling mode for one of the peers on this connection.

Entity Code/Event Code **46/28**

Decimal Identifier **16789020**

Severity: Warning

Message: Error indication from peer <*IP_address*> status <*no.*> Reason <*no.*>

Meaning: The local peer received an error indication from the peer indicated by <*IP_address*>.

Action: Check the error indication to see if something needs to be reconfigured.

Entity Code/Event Code **46/29**

Decimal Identifier **16789021**

Severity: Warning

Message: Received pkt with unknown EGP message type from peer <*IP_address*>, type <*no.*>, code <*no.*>

Meaning: The local peer received an invalid type of EGP packet.

Action: Check the configuration of the peer that transmitted the invalid packet.

Entity Code/Event Code **46/30**

Decimal Identifier **16789022**

Severity: Warning

Message: Invalid STATE <*state_id*> or EVENT <*event_id*> NET FSM, peer <*IP_address*>

Meaning: The network state machine has detected a violation. Network states and events are defined in RFC 904.

Action: None may be required, as EGP attempts to restart.

Entity Code/Event Code **46/31**

Decimal Identifier **16789023**

Severity: Warning

Message: Invalid STATE <*state_id*> or EVENT <*event_id*> APP FSM, peer <*IP_address*>

Meaning: The application state machine has detected a violation. Network states and events are defined in RFC 904.

Action: None may be required, as EGP attempts to restart.

Entity Code/Event Code **46/32**

Decimal Identifier **16789024**

Severity: Warning

Message: Received pkt with unknown EGP message code from peer <*IP_address*> Type <*no.*> Code <*no.*>

Meaning: The local peer received an EGP packet with an invalid message code.

Action: Check the configuration of the peer that transmitted the invalid packet.

Entity Code/Event Code **46/33**

Decimal Identifier **16789025**

Severity: Warning

Message: Fragmentation error <*no.*> on sending updates on interface <*no.*>.

Meaning: An EGP update sent from the interface indicated by <*no.*> was too large and fragmentation didn't work.

Action: None required. The update will not be retransmitted. Another update will be sent the next time a Poll request is received.

Entity Code/Event Code **46/34**

Decimal Identifier **16789026**

Severity: Warning

Message: Reassembly error <*no.*> on sending update on interface <*no.*>.

Meaning: The interface indicated by <*no.*> could not reassemble a fragmented update message.

Entity Code/Event Code **46/35**

Decimal Identifier **16789027**

Severity: Warning

Message: EGP connection record for peer <*IP_address*> misconfigured -- disabled

Meaning: Because the EGP connection record between the local and remote peer is misconfigured, the connection has been disabled.

Action: Check previous event messages to determine the problem and reconfigure the EGP connection record accordingly.

Entity Code/Event Code **46/36**

Decimal Identifier **16789028**

Severity: Severity

Message: Illegal Local AS number <*no.*> configured in wfEgpEntry

Meaning: The Local AS number was set to 0. This is an illegal value.

Action: Reconfigure the Local AS number to be within the valid range, 1 to 65535.

Entity Code/Event Code **46/37**

Decimal Identifier **16789029**

Severity: Warning

Message: Invalid peer address configured <*IP_address*>

Meaning: The IP address of remote peer is invalid.

Action: Reconfigure the IP address.

Entity Code/Event Code **46/38**

Decimal Identifier **16789030**

Severity: Warning

Message: Local IP address is configured same as peer address, <*IP_address*>

Meaning: The local and remote peer have the same IP address. This is not legal.

Action: Reconfigure the IP address of one of the peers.

Entity Code/Event Code **46/39**

Decimal Identifier **16789031**

Severity: Warning

Message: Invalid Acquisition Mode configured for peer, <*IP_address*>

Meaning: The peer indicated by <*IP_address*> has an invalid value for its Acquisition Mode. The Acquisition Mode must be either Active or Passive.

Action: Reconfigure the peer's Acquisition Mode to either Active or Passive.

Entity Code/Event Code **46/40**

Decimal Identifier **16789032**

Severity: Warning

Message: Invalid Poll Mode configured for peer <*IP_address*>

Meaning: The peer indicated by <*IP_address*> has an invalid value for its Poll Mode. The Poll Mode must be Active, Passive, or Both.

Action: Reconfigure the peer's Poll Mode to Active, Passive, or Both.

Entity Code/Event Code **46/41**

Decimal Identifier **16789033**

Severity: Warning

Message: Hello Timer value <*sec*> configured out of range for peer <*IP_address*>

Meaning: The hello timer value for the peer indicated by <*IP_address*> is out of the valid range of 30 to 120 seconds.

Action: Reconfigure the hello timer value to be within the appropriate range.

Entity Code/Event Code **46/42**

Decimal Identifier **16789034**

Severity: Warning

Message: Poll Timer value <*hsec*> configured out of range for peer <*IP_address*>

Meaning: The poll timer value for the peer indicated by <*IP_address*> is out of the valid range of 120 to 480 hundredths of a second.

Action: Reconfigure the poll timer value to be within the appropriate range.

Entity Code/Event Code **46/43**

Decimal Identifier **16789035**

Severity: Warning

Message: Invalid Gateway Mode configured out of range for peer <*IP_address*>

Meaning: The Gateway Mode for the peer indicated by <*IP_address*> is not valid. The Gateway Mode must either be Core or Non Core.

Action: Reconfigure the Gateway Mode value to be either Core or Non Core.

Info Events

Entity Code/Event Code **46/2**

Decimal Identifier **16788994**

Severity: Info

Message: Protocol initializing.

Meaning: EGP is properly initializing.

Entity Code/Event Code **46/3**

Decimal Identifier **16788995**

Severity: Info

Message: Protocol terminating.

Meaning: EGP is properly terminating.

Entity Code/Event Code **46/4**

Decimal Identifier **16788996**

Severity: Info

Message: Connection between <*IP_address*> and <*IP_address*> initializing.

Meaning: The connection between the two peers indicated by <*IP_address*> and <*IP_address*> is coming up.

Entity Code/Event Code **46/5**

Decimal Identifier **16788997**

Severity: Info

Message: Connection between <*IP_address*> and <*IP_address*> terminating.

Meaning: The connection between the two peers indicated by <*IP_address*> and <*IP_address*> is going down.

Entity Code/Event Code **46/6**

Decimal Identifier **16788998**

Severity: Info

Message: Neighbor <*IP_address2*> acquired on IP interface <*IP_address1*>

Meaning: The IP interface <*IP_address1*> has acquired a neighbor indicated by <*IP_address2*>. The Neighbor Acquisition phase of the EGP protocol has been achieved.

Entity Code/Event Code **46/7**

Decimal Identifier **16788999**

Severity: Info

Message: Neighbor <*IP_address*> up, polling enabled

Meaning: The neighbor indicated by <*IP_address*> is up and sending poll packets. The Network Reachability phase of the EGP protocol has been achieved.

Entity Code/Event Code **46/8**

Decimal Identifier **16789000**

Severity: Info

Message: Neighbor <*IP_address*> up, polling disabled

Meaning: The neighbor indicated by <*IP_address*> is up, but is not issuing poll packets. The neighbor is in passive mode.

Entity Code/Event Code **46/9**

Decimal Identifier **16789001**

Severity: Info

Message: Neighbor <*IP_address*> down

Meaning: The EGP neighbor indicated by <*IP_address*> is down.

Entity Code/Event Code **46/10**

Decimal Identifier **16789002**

Severity: Info

Message: Neighbor <*IP_address*> unacquired

Meaning: The EGP neighbor indicated by <*IP_address*> is up.

Chapter 4
Event Messages (FDDI through FRSW_ISDN)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from FDDI through FRSW_ISDN. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

FDDI Events

The Fiber Distributed Data Interface service, referred to as the FDDI entity, issues the following event messages. The entity code assigned to FDDI events is 8.

Fault Events

Entity Code/Event Code	**8/1**
Decimal Identifier	**16779265**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	The FDDI driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the FDDI driver fails to restart.

Entity Code/Event Code **8/66**

Decimal Identifier **16779330**

Severity: Fault

Message: Node <*FDDI_connector_no.*> bad value for <*MIB_variable*> attribute.

Meaning: You entered an invalid value for the specified attribute or attributes (wfFddiSmtStatRptPolicy [Status Report Protocol], wfFddiMacMaUnitDataEnable [LLC Data Enable], or wfFddiSmtDatProtocol [Duplicate Address Protocol]).

Action: Check the value entered for the specified attribute.

Entity Code/Event Code **8/67**

Decimal Identifier **16779331**

Severity: Fault

Message: Node <*FDDI_connector_no.*> illegal MacTReq value <*MacTReq_value*> requested (range: > val_x and < = val_y).

Meaning: You entered an invalid value for wfFddiMacTReq (Requested TTRT). The following relationship must be true:

wfFddiPathTvxLowerBound (Tvx Lower Bound) < wfFddiMacTReq (Requested TTRT) < = wfFddiPathTMaxLowerBound (T_Max Lower Bound)

Action: Check the value entered for wfFddiMacTReq.

Entity Code/Event Code **8/68**

Decimal Identifier **16779332**

Severity: Fault

Message: Node <*FDDI_connector_no.*> illegal TvxLowerBound value <*TvxLowerBound_value*> requested.

Meaning: You entered an invalid value for wfFddiTvxLowerBound. The following relationship must be true:

wfFddiPathTvxLowerBound (Tvx Lower Bound) > 0 and < or = 5.2 ms and < wfFddiMacTReq (Requested TTRT)

Action: Check the value entered for wfFddiTvxLowerBound.

Entity Code/Event Code **8/69**

Decimal Identifier **16779333**

Severity: Fault

Message: Node <*FDDI_connector_no.*> illegal TMaxLowerBound value <*TMaxLowerBound_value*> requested.

Meaning: You entered an invalid value for wfFddiTMaxLowerBound (T_Max Lower Bound). The following relationship must be true:

wfFddiMaxLowerBound > or = wfFddiMacTReq [Requested TTRT] and > or = 10 ms. and < 1336.9344.

Action: Check the value entered for wfFddiTMaxLowerBound.

Entity Code/Event Code **8/70**

Decimal Identifier **16779334**

Severity: Fault

Message: Node <*FDDI_connector_no.*> illegal TraceMaxExpiration value <*TraceMaxExpiration_value*> requested, must be > <*value*> ms.

Meaning: You entered an invalid value for wfFddiSmtTraceMaxExpiration (Trace Max Expiration). The value entered must be greater than 6.1 ms.

Action: Check the value entered for wfFddiSmtTraceMaxExpiration.

Entity Code/Event Code **8/71**

Decimal Identifier **16779335**

Severity: Fault

Message: Node <*FDDI_connector_no.*>, phy <A | B> - illegal LerCutOff value <*LerCutOff_value*> requested (range: 4 - 15).

Meaning: You entered an invalid value for wfFddiPortLerCutOff (LER Cutoff). The value entered must be between 4 and 15, inclusive.

Action: Check the value entered for wfFddiPortLerCutOff.

Entity Code/Event Code **8/72**

Decimal Identifier **16779336**

Severity: Fault

Message: Node <*FDDI_connector_no.*>, phy <A | B> - illegal LerAlarm value <*LerAlarm_value*> requested (range: 4 - 15).

Meaning: You entered an invalid value for wfFddiPortLerAlarm (LER Alarm). The value entered must be between 4 and 15, inclusive.

Action: Check the value entered for wfFddiPortLerAlarm.

Warning Events

Entity Code/Event Code **8/3**

Decimal Identifier **16779266**

Severity: Warning

Message: Node <*FDDI_connector_no.*> diagnostic failed.

Meaning: The specified FDDI connector failed power-up diagnostics and has been disabled.

Action: Verify the integrity of the FDDI link module.

Entity Code/Event Code **8/4**

Decimal Identifier **16779267**

Severity: Warning

Message: Node <*FDDI_connector_no.*> out of range.

Meaning: The configured FDDI connection is invalid and will be ignored.

Action: Repair the configuration record to provide a valid connection value.

Entity Code/Event Code **8/5**

Decimal Identifier **16779268**

Severity: Warning

Message: Node <*FDDI_connector_no.*> not verified with diagnostic.

Meaning: Power-up diagnostics were aborted or terminated prior to verifying the specified FDDI connection.

Action: Rerun diagnostics to verify the integrity of the FDDI link module.

Entity Code/Event Code **8/6**

Decimal Identifier **16779269**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT failed initialization.

Meaning: Station Management (SMT) cannot be initialized on the specified FDDI connection.

Action: Restart the FDDI slot.

Entity Code/Event Code **8/7**

Decimal Identifier **16779270**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT failed to enable station.

Meaning: Station Management cannot enable dual attachment ports.

Action: Restart the FDDI slot.

Entity Code/Event Code **8/8**

Decimal Identifier **16779271**

Severity: Warning

Message: Node <*FDDI_connector_no.*> LEM reject on PHY <A | B>.

Meaning: The Link Error Monitor (LEM) has rejected Station Management (SMT) on the specified physical connector.

Action: Test the link quality. Clean and reseat the FDDI connector.

Entity Code/Event Code **8/9**

Decimal Identifier **16779272**

Severity: Warning

Message: Node <*FDDI_connector_no.*> LCT reject <local | remote | both> on PHY <A|B>.

Meaning: The Link Confidence Test (LCT) has rejected Station Management (SMT) on the specified physical connector.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/10**

Decimal Identifier **16779273**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT unknown response frame.

Meaning: Station Management (SMT) received an unexpected response frame.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/11**

Decimal Identifier **16779274**

Severity: Warning

Message: Node <*FDDI_connector_no.*> PC trace initiated.

Meaning: The PC (Physical Connection) trace function, which provides a recovery mechanism for stuck Beacon conditions on the ring, has been initiated.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/12**

Decimal Identifier **16779275**

Severity: Warning

Message: Node <*FDDI_connector_no.*> PC trace path test.

Meaning: FDDI has initiated a Physical Connection (PC) path test to determine if there is a faulty MAC or datapath on the ring.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/13**

Decimal Identifier **16779276**

Severity: Warning

Message: Node <*FDDI_connector_no.*> PC trace received.

Meaning: FDDI received and is repeating a Physical Connection (PC) trace signal. Reception of a PC trace signal indicates that the other end of the link has initiated PC trace after detecting a stuck beacon condition.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/14**

Decimal Identifier **16779277**

Severity: Warning

Message: Node <*FDDI_connector_no.*> generating directed beacons.

Meaning: Station Management (SMT) fault recovery software is generating and transmitting beacon frames.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/15**

Decimal Identifier **16779278**

Severity: Warning

Message: Node <*FDDI_connector_no.*> stopping directed beacons.

Meaning: FDDI has ceased the transmission of directed beacons (informing the ring of a stuck Beacon condition) over the specified FDDI connector.

Action: Either the ring will repair itself, or Station Management will initiate a Physical Connection (PC) trace to isolate the fault.

Entity Code/Event Code **8/16**

Decimal Identifier **16779279**

Severity: Warning

Message: Node <*FDDI_connector_no.*> directed beacon received.

Meaning: Station Management (SMT) received a directed beacon frame.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/17**

Decimal Identifier **16779280**

Severity: Warning

Message: Node <*FDDI_connector_no.*> MAC beaconing initiated (TRT).

Meaning: Station Management (SMT) has initiated beaconing triggered by the expiration of the TRT timer.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/18**

Decimal Identifier **16779281**

Severity: Warning

Message: Node <*FDDI_connector_no.*> claim initiated (TVX or LateCt).

Meaning: Station Management (SMT) has initiated the token claim process triggered by the expiration of TVX.

Action: This is a normal event when the station has not seen the token in a given period of time.

Entity Code/Event Code **8/19**

Decimal Identifier **16779282**

Severity: Warning

Message: Node <*FDDI_connector_no.*> duplicate address detected.

Meaning: Station Management (SMT) detected another ring member using the identical MAC address.

Action: Resolve the duplicate address.

Entity Code/Event Code **8/20**

Decimal Identifier **16779283**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT station database initialization failed.

Meaning: The Station Management (SMT) station database is corrupted.

Action: Restart the FDDI slot.

Entity Code/Event Code **8/21**

Decimal Identifier **16779284**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT link database initialization failed.

Meaning: The Station Management (SMT) link database is corrupted.

Action: Restart the FDDI slot.

Entity Code/Event Code **8/22**

Decimal Identifier **16779285**

Severity: Warning

Message: Node <*FDDI_connector_no.*> SMT PHY <A | B> database initialization failed.

Meaning: The specified Station Management (SMT) PHY database is corrupted.

Action: Restart the FDDI slot.

Entity Code/Event Code **8/23**

Decimal Identifier **16779286**

Severity: Warning

Message: Node <*FDDI_connector_no.*> link fault.

Meaning: Station Management (SMT) cannot generate directed beacons or jam beacons, because SMT is already in the beaconing state.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/24**

Decimal Identifier **16779287**

Severity: Warning

Message: Node <*FDDI_connector_no.*> PHY <A | B> disconnected.

Meaning: The specified physical connection has failed. The physical connection is considered disconnected if the Physical Connection Management (PCM) state machine transitions from the Active to the Break state. Consequently, this message is not necessarily an indication of a faulty or disconnected physical connector.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/25**

Decimal Identifier **16779288**

Severity: Warning

Message: Node <*FDDI_connector_no.*> link unavailable.

Meaning: Station Management (SMT) found that the link has become unavailable because of a ring fault.

Action: The station automatically returns to an operational state unless the ring is broken or a fatal error occurs.

Entity Code/Event Code **8/27**

Decimal Identifier **16779290**

Severity: Warning (BNX only)

Message: Node <*FDDI_connector_no.*> disabled.

Meaning: FDDI service has been disabled on the specified connector.

Entity Code/Event Code **8/28**

Decimal Identifier **16779291**

Severity: Warning (BNX only)

Message: Node <*FDDI_connector_no.*> enabled.

Meaning: FDDI service has been enabled on the specified connector.

Entity Code/Event Code **8/64**

Decimal Identifier **16779328**

Severity: Warning

Message: Node <*FDDI_connector_no.*> failed to enable hardware filter.

Meaning: The specified FDDI node failed to enable hardware filtering. System resources may not be available to complete the function.

Action: Wait until system resources become available and then enable hardware filtering. If the message continues to appear, view the Hardware Filter (HWF) events in the system log to determine the cause of failure.

Entity Code/Event Code **8/65**

Decimal Identifier **16779329**

Severity: Warning

Message: Node <*FDDI_connector_no.*> hardware filter driver not accessible for <*Enable/Disable*> operation.

Meaning: The hardware filter driver entity is unavailable to satisfy the specified operation.

Action: Configure the hardware filter driver for the slot on which hardware filtering is desired.

Entity Code/Event Code **8/73**

Decimal Identifier **16779337**

Severity: Warning

Message: Node <*FDDI_connector_no.*> PHY <A | B> placed in standby.

Meaning: Indicates that the PCM in PHY (A or B) has been placed in standby mode because of Dual Homing policies that were previously set.

Action: The specified PHY remains in standby mode unless the active PHY becomes disabled, in which case the standby PHY is immediately inserted onto the ring.

Entity Code/Event Code **8/75**

Decimal Identifier **16779339**

Severity: Warning

Message: Node <*FDDI_connector_no.*> <*entity_type*> <*action_no.*> operation failed.

Meaning: The action for the specified entity failed on the FDDI connector shown in the message.

Entity Code/Event Code **8/89**

Decimal Identifier **16779353**

Severity: Warning

Message: Node <*FDDI_connector_no.*>, gate id 0x<*no.*> could not get a buffer.

Meaning: This interface did not come up, because a buffer was not available to send a message.

Entity Code/Event Code **8/90**

Decimal Identifier **16779354**

Severity: Warning

Message: Node <*FDDI_connector_no.*>, gate id 0x<*no.*>, encountered an RPC time-out.

Meaning: This interface did not come up, because an RPC timeout occurred while sending a message to the address>.

Entity Code/Event Code **8/91**

Decimal Identifier **16779355**

Severity: Warning

Message: Node <*FDDI_connector_no.*> aborting init. No Net Module Present in Module location<*no.*>.

Meaning: Either the network module in this location is missing or the configuration is incorrect.

Action: Insert the missing network module or correct the configuration.

Entity Code/Event Code **8/92**

Decimal Identifier **16779356**

Severity: Warning

Message: Node <*FDDI_connector_no.*>aborting init. Wrong Net Module type in Module location<*no.*>.

Meaning: Either the type of network module in this location or the configuration is incorrect.

Action: Insert the correct type of network module or correct the configuration.

Entity Code/Event Code **8/93**

Decimal Identifier **16779357**

Severity: Warning

Message: Node <*FDDI_connector_no.*> aborting init. Net Module<*no.*>diag failed (status=0x<*status_code*>).

Meaning: The net module identified by Net Module<*no.*> has failed. The status code indicates the type of failure.

Action: Replace the network module as soon as possible. If you do not have a spare network module now, but you have a spare connector on the existing network module:

- Switch the cable associated with the failed circuit to the spare connector.
- Configure a new, identical circuit.
- Delete the failed circuit from the configuration.

Using the spare connector is a temporary measure. When you return the network module to Bay Networks, be sure to report the <*status_code*> and the connector associated with the failure.

Info Events

Entity Code/Event Code **8/26**

Decimal Identifier **16779289**

Severity: Info

Message: Service initializing.

Meaning: FDDI is initializing.

Entity Code/Event Code **8/27**

Decimal Identifier **16779290**

Severity: Info (Routers only)

Message: Node <*FDDI_connector_no.*> disabled.

Meaning: FDDI service has been disabled on the specified connector.

Entity Code/Event Code **8/28**

Decimal Identifier **16779291**

Severity: Info (Routers only)

Message: Node <*FDDI_connector_no.*> enabled.

Meaning: FDDI service has been enabled on the specified connector.

Entity Code/Event Code **8/29**

Decimal Identifier **16779292**

Severity: Info

Message: Node <*FDDI_connector_no.*> configuration deleted.

Meaning: The specified FDDI record has been deleted from the configuration.

Entity Code/Event Code **8/30**

Decimal Identifier **16779293**

Severity: Info

Message: Node <*FDDI_connector_no.*> providing LLC1 service.

Meaning: The specified FDDI connection is enabled and providing LLC1 service.

Entity Code/Event Code **8/31**

Decimal Identifier **16779294**

Severity: Info

Message: Node <*FDDI_connector_no.*> LLC1 service withdrawn.

Meaning: The specified FDDI connection is no longer providing LLC1 service.

Entity Code/Event Code **8/32**

Decimal Identifier **16779295**

Severity: Info

Message: Node <*FDDI_connector_no.*> SMT services available.

Meaning: Station Management (SMT) is enabled on the specified FDDI connection.

Entity Code/Event Code **8/33**

Decimal Identifier **16779296**

Severity: Info

Message: Node <*FDDI_connector_no.*> station deinserted (bypass on).

Meaning: Station Management (SMT) has switched the optical bypass to remove the station from the ring.

Entity Code/Event Code **8/34**

Decimal Identifier **16779297**

Severity: Info

Message: Node <*FDDI_connector_no.*> station inserted (bypass off).

Meaning: Station Management (SMT) has switched the optical bypass to insert the station into the ring.

Entity Code/Event Code **8/35**

Decimal Identifier **16779298**

Severity: Info

Message: Node <*FDDI_connector_no.*> PHY <A | B> connected to neighbor PHY <A | B | S | M>.

Meaning: Station Management (SMT) has placed the specified PHY (A or B) into the Active state and inserted the PHY into the ring.

Entity Code/Event Code **8/36**

Decimal Identifier **16779299**

Severity: Info

Message: Node <*FDDI_connector_no.*> link available.

Meaning: The specified FDDI connection is now available for transmission (LLC data frames can now be queued).

Entity Code/Event Code **8/63**

Decimal Identifier **16779327**

Severity: Info

Message: Node <*FDDI_connector_no.*> hardware filter enabled.

Meaning: Hardware filtering has been enabled on the specified FDDI connection.

Entity Code/Event Code **8/74**

Decimal Identifier **16779338**

Severity: Info

Message: Node <*FDDI_connector_no.*> <*entity_type*> <*action_no.*> operation successful.

Meaning: The action for the specified entity succeeded on the FDDI connector shown in the message.

Entity Code/Event Code **8/79**

Decimal Identifier **16779343**

Severity: Info

Meaning: Node <*FDDI_connector_no.*> LLC1 service unavailable.

Action: This message occurs when you set the LLC Data Enable parameter to Enable, but the router or BNX platform is not connected to an FDDI ring.

FLOP Events

The Floppy Disk Controller service, referred to as the FLOP entity, issues the following event messages. The entity code assigned to FLOP events is 32.

Fault Event

Entity Code/Event Code **32/1**

Decimal Identifier **16785409**

Severity: Fault

Message: System error, service attempting restart.

Meaning: FLOP experienced a fatal error and is restarting automatically. FLOP will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if FLOP fails to restart.

Warning Events

Entity Code/Event Code **32/2**

Decimal Identifier **16785410**

Severity: Warning

Message: Floppy operation timed out.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: The specified operation timed out.

Action: Retry the operation that cause this event. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/3**

Decimal Identifier **16785411**

Severity: Warning

Message: Floppy controller timed out during command issue.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: An attempt to read/write data from/to the floppy controller did not succeed within the expected time.

Action: Retry the operation. If that fails, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reset the floppy controller and retry the operation. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/4**

Decimal Identifier **16785412**

Severity: Warning

Message: Floppy recalibrate operation failed.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: During initialization of the floppy controller, the recalibrate command did not succeed in moving the read/write head to track number 0.

Action: Use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reinitialize and recalibrate the floppy controller. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/5**

Decimal Identifier **16785413**

Severity: Warning

Message: Floppy seek operation failed.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: The seek command did not succeed in moving the read/write head to the specified cylinder.

Action: Retry the operation. If that fails, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reset the floppy controller and retry the operation. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/6**

Decimal Identifier **16785414**

Severity: Warning

Message: Floppy command was started but terminated abnormally.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: A command issued to the floppy controller terminated abnormally.

Action: Retry the operation. If that fails, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reset the floppy controller and retry the operation. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/7**

Decimal Identifier **16785415**

Severity: Warning

Message: Error during floppy DMA operation.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: An error has occurred within the floppy controller's DMA unit during a read/write from/to the floppy disk.

Action: Retry the operation. If that fails, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reset the floppy controller and retry the operation. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/8**

Decimal Identifier **16785416**

Severity: Warning

Message: Unknown command issued to floppy controller.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: The floppy driver has experienced an internal error that has caused it to issue an unknown command to the floppy controller.

Action: Retry the operation. If that fails, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reset the floppy controller and retry the operation. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/9**

Decimal Identifier **16785417**

Severity: Warning

Message: Floppy media is write protected.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*ooperation*>.

Meaning: An attempt was made to write data to a write-protected floppy disk.

Action: Use a floppy disk with write access when writing data to a disk.

Entity Code/Event Code **32/10**

Decimal Identifier **16785418**

Severity: Warning

Message: Bad floppy media format found.

Sector number:<*starting_sector_no.*> count:<*sec*> command:<*command*> operation:<*operation*>.

Meaning: During read or write access to the disk, the floppy controller encountered a formatting error on the disk.

Action: Retry the operation with a newly formatted disk. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/11**

Decimal Identifier **16785419**

Severity: Warning

Message: Unknown floppy controller type found.

Meaning: The floppy driver software detected an unsupported type of floppy controller.

Action: First, use the Technician Interface to enter the **unmount a:** command. Then reseat the floppy I/O module to ensure a good pin connection. Enter the **mount a:** command to reinitialize the floppy driver. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/12**

Decimal Identifier **16785420**

Severity: Warning

Message: Floppy controller not found.

Meaning: The floppy driver software did not detect the presence of its required hardware (the floppy controller).

Action: First, use the Technician Interface to enter the **unmount a:** command. Then reseat the floppy I/O module to ensure a good pin connection. Enter the **mount a:** command to reinitialize the floppy driver. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/13**

Decimal Identifier **16785421**

Severity: Warning

Message: Floppy hardware reset did not cause interrupt within expected time.

Meaning: If a hardware reset has been issued to a NEC floppy controller, a floppy interrupt is produced. Therefore, the hardware reset was issued, but the interrupt did not occur within the expected time period.

Action: First, use the Technician Interface to enter the **unmount a:** and **mount a:** commands to reinitialize the floppy driver and controller. Then check the log for this event. If the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/14**

Decimal Identifier **16785422**

Severity: Warning

Message: Unsupported floppy status code:0x<*status_code*>.

Meaning: The floppy driver is logging an event that has no textual equivalent. Any value may appear as the status code.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **32/18**

Decimal Identifier **16785426**

Severity: Warning

Message: Floppy command was issued but never started.
Sector number: <*starting_sector_no.*> count:<*sec*>
command:<*command*> operation:<*operation*>.

Meaning: The specified instruction to the floppy drive was issued but never started. The requested command could not be executed.

Action: If this error message persists, replace the floppy drive hardware.

Entity Code/Event Code **32/19**

Decimal Identifier **16785427**

Severity: Warning

Message: RDY signal changed state during floppy execution.
Sector number: <*starting_sector_no.*> count:<*sec*>
command:<*command*> operation:<*operation*>.

Meaning: The specified instruction to the floppy drive terminated abnormally, because the drive detected a change in its internal state during command execution. The state of the floppy drive hardware changed from Ready to Not Ready.

Action: If this error message persists, replace the floppy drive hardware.

Entity Code/Event Code **32/20**

Decimal Identifier **16785428**

Severity: Warning

Message: Floppy controller timed out during status readback.
Sector number: <*starting_sector_no.*> count:<*sec*>
command:<*command*> operation:<*operation*>.

Meaning: An attempt to read data from the floppy controller did not succeed within the expected time.

Action: If this error message persists, replace the floppy drive hardware.

FR Events

The Frame Relay service, referred to as the FR entity, issues the following event messages. The entity code assigned to FR events is 25.

Fault Event

Entity Code/Event Code **25/10**

Decimal Identifier **16783626**

Severity: Fault

Message: System error, service attempting restart.

Meaning: Frame Relay experienced a fatal error and is restarting automatically. Frame Relay will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if Frame Relay fails to restart.

Warning Events

Entity Code/Event Code **25/4**

Decimal Identifier **16783620**

Severity: Warning

Message: Service configured but disabled for circuit <*circuit_name*>.

Meaning: Frame Relay is configured on the synchronous interface that supports the specified circuit. However, the Frame Relay DLCMI MIB entry is marked Disabled.

Action: Use the Technician Interface to enable the Frame Relay DLCMI MIB entry to initiate Frame Relay service.

Entity Code/Event Code **25/5**

Decimal Identifier **16783621**

Severity: Warning

Message: cct <*circuit_no.*>: DLCMI process receiving non-DLCMI messages.

Meaning: The DLCMI is receiving data messages.

Action: Call the Bay Networks Technical Response Center, because this condition is symptomatic of serious problems in driver processing.

Entity Code/Event Code **25/6**

Decimal Identifier **16783622**

Severity: Warning

Message: Excessive DLCMI errors on cct <*circuit_no.*>.

Meaning: Frame Relay has taken down the specified circuit because of excessive errors, as measured by the Error Threshold and Monitored Events configuration parameters.

Action: None may be required, because Frame Relay will monitor the line for quality and attempt to restart. If the condition persists, check the integrity of the physical connection.

Entity Code/Event Code **25/7**

Decimal Identifier **16783623**

Severity: Warning

Message: cct <*circuit_no.*>: Address length invalid of specified address type.

Meaning: Frame Relay found a configuration error in the record for the specified circuit. This message generally indicates that extended (two- or three-byte) addressing has been paired with an address type (for example, Q921) that does not support address extension.

Action: Repair the configuration record.

Entity Code/Event Code **25/8**

Decimal Identifier **16783624**

Severity: Warning

Message: cct <*circuit_no.*>: Invalid Address encoding type.

Meaning: Frame Relay found a configuration error in the record for the specified circuit, namely an unknown address type. This message generally indicates that the configuration was done via the Technician Interface, because Site Manager enforces correct typing.

Action: Repair the configuration.

Entity Code/Event Code **25/9**

Decimal Identifier **16783625**

Severity: Warning

Message: VC <*DLCI_no.*> configured as <*access_mode*> but no cct was specified.

Meaning: You used the Technician Interface to create a virtual circuit for hybrid or direct mode, but did not assign the virtual circuit a number.

Action: Provide a number for the virtual circuit.

Entity Code/Event Code **25/57**

Decimal Identifier **16783673**

Severity: Warning

Message: Service configured but disabled for Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay is configured on the synchronous interface that supports the specified line. However, the Frame Relay DLCMI MIB entry is marked Disabled. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Enable the Frame Relay DLCMI MIB entry to initiate Frame Relay service.

Entity Code/Event Code **25/58**

Decimal Identifier **16783674**

Severity: Warning

Message: Invalid Address encoding type <*address_type*> for Line <*line_no.*> <*low_level_index*>.

Meaning: You used the Technician Interface to change the address type to an undefined type. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Change the address type to one of the defined types: Addr Q922;Addr Q922 November; Addr Q922 March.

Entity Code/Event Code **25/59**

Decimal Identifier **16783675**

Severity: Warning

Message: Line <*line_no.*> <*low_level_index*>: DLCMI process receiving non-DLCMI messages.

Meaning: The system cannot identify a status message received from the switch. Either the switch or the router is functioning incorrectly. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider or the Bay Networks Technical Response Center for assistance.

Entity Code/Event Code **25/115**

Decimal Identifier **16783731**

Severity: Warning

Message: Line <*line_no.*> <*low_level_index*>: Address length invalid for specified address type.

Meaning: You have selected an older address format type that does not support extended addressing at the same time that you have selected extended addressing.

Action: Change the address format and address length to a compatible combination, as follows:

Q922 March: Two-byte DLCI only

Q921: Two-byte DLCI only

Q922 Nov: Two-, three-, or four-byte DLCI

Q922 Final: Two-, three-, or four-byte DLCI

Info Events

Entity Code/Event Code **25/1**

Decimal Identifier **16783617**

Severity: Info

Message: Service initialized for circuit <*circuit_no.*>.

Meaning: Frame Relay completed initialization on the specified circuit.

Entity Code/Event Code **25/2**

Decimal Identifier **16783618**

Severity: Info

Message: Service terminating for circuit <*circuit_no.*>.

Meaning: Frame Relay terminated on the specified circuit.

Entity Code/Event Code **25/3**

Decimal Identifier **16783619**

Severity: Info

Message: Service recovery for cct <*circuit_no.*>.

Meaning: DLCMI recovered from an error condition on the specified circuit. After shutting down, DLCMI received a sufficient number of valid polls to verify the present integrity of the line.

Entity Code/Event Code **25/60**

Decimal Identifier **16783676**

Severity: Info

Message: Service initializing.

Meaning: Frame Relay is initializing on the slot.

Entity Code/Event Code **25/61**

Decimal Identifier **16783677**

Severity: Info

Message: Service Down.

Meaning: Frame Relay terminated on the slot.

Entity Code/Event Code **25/62**

Decimal Identifier **16783678**

Severity: Info

Message: Service up on Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay completed initialization on the specified line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/63**

Decimal Identifier **16783679**

Severity: Info

Message: Service down on Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay terminated on the specified line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/64**

Decimal Identifier **16783680**

Severity: Info

Message: Service recovery for Line <*line_no.*> <*low_level_index*>.

Meaning: DLCMI recovered from an error condition on the specified line. After shutting down, DLCMI received a sufficient number of valid polls to verify the present integrity of the line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/65**

Decimal Identifier **16783681**

Severity: Info

Message: Delayed service down Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay terminated on the specified line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/66**

Decimal Identifier **16783682**

Severity: Info

Message: Multiple active connections for Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay received notification that the line was up twice from the same line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/67**

Decimal Identifier **16783683**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> deleted.

Meaning: Frame Relay deleted the specified virtual circuit on the specified line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/68**

Decimal Identifier **16783684**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> added — <*state*>.

Meaning: You or DLCMI added the specified virtual circuit to the specified line. <*state*> specifies the DLCI state as either Active or Inactive. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/69**

Decimal Identifier **16783685**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> is now used as <*address_type*>.

Meaning: You or DLCMI changed the addressing type (unicast or multicast) for the specified DLCI. LMI is the only DLCMI process that currently supports multicast addressing. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/70**

Decimal Identifier **16783686**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> changed to <*state*>.

Meaning: You or DLCMI changed the state of the specified virtual circuit to Active, Inactive, or Invalid. LMI may also change the state of XOFF. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/71**

Decimal Identifier **16783687**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> mode changed to <*access_mode*>.

Meaning: You changed the access mode (group, hybrid, or direct) for the specified virtual circuit. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/72**

Decimal Identifier **16783688**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: adding new over old pvc — <*DLCI_no.*> -<*state*>.

Meaning: Frame Relay received a status message from DLCMI that notes as new an already existing PVC, identified by <*DLCI_no.*>. The PVC state is noted as Active or Inactive. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/73**

Decimal Identifier **16783689**

Severity: Info

Message: Line <*line_no.*> <*low_level_index*>: VC <*DLCI_no.*> has been re-added — <*state*>.

Meaning: DLCMI added the specified PVC in the specified state. The PVC had previously been listed in the MIB in the Invalid state. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Trace Events

Entity Code/Event Code **25/11**

Decimal Identifier **16783627**

Severity: Trace

Message: No Frame Relay DLCMI entry found for configured circuit <*circuit_no.*>.

Meaning: You used the Technician Interface to configure a synchronous line for Frame Relay, but Frame Relay itself has not been configured.

Action: Configure Frame Relay.

Entity Code/Event Code **25/12**

Decimal Identifier **16783628**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> deleted.

Meaning: You or DLCMI deleted the specified PVC.

Entity Code/Event Code **25/13**

Decimal Identifier **16783629**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> added — <*state*>.

Meaning: The specified DLCI has been added by you or by DLCMI to the specified Frame Relay interface. <*state*> specifies the DLCI state, Active or Inactive.

Entity Code/Event Code **25/14**

Decimal Identifier **16783630**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> is now used as <*address_type*>.

Meaning: You or DLCMI changed the addressing type (Unicast or Multicast) or the specified DLCI.

Entity Code/Event Code **25/15**

Decimal Identifier **16783631**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> changed to <*state*>.

Meaning: You or DLCMI changed the state of the specified PVC to Active, Inactive, or Invalid.

Entity Code/Event Code **25/16**

Decimal Identifier **16783632**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> mode changed to <*access_mode*>.

Meaning: The access mode (group, hybrid, or direct) for the specified circuit has changed.

Entity Code/Event Code **25/17**

Decimal Identifier **16783633**

Severity: Trace

Message: cct <*circuit_no.*>: adding new over old pvc — <*DLCI_no.*> — <*state*>.

Meaning: Frame Relay received a status message from DLCMI that notes as new an already existing PVC, identified by <*DLCI_no.*>. The PVC state is noted as Active or Inactive.

Entity Code/Event Code **25/18**

Decimal Identifier **16783634**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> has been re-added — <*state*>.

Meaning: DLCMI has added the specified PVC in the specified state. The PVC had previously been listed in the MIB in the invalid state.

Entity Code/Event Code **25/19**

Decimal Identifier **16783635**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI <*DLCI_no.*> out of range — invalidated.

Meaning: You added a PVC that is not within the allowable range specified by the addressing format.

Entity Code/Event Code **25/20**

Decimal Identifier **16783636**

Severity: Trace

Message: cct <*circuit_no.*>: Can't add signalling DLCI <*DLCI_no.*>. Entry is deleted.

Meaning: You attempted to add DLCI 0 or 1023 to the specified Frame Relay interface. These DLCIs are reserved for network signaling.

Entity Code/Event Code **25/21**

Decimal Identifier **16783637**

Severity: Trace

Message: cct <*circuit_no.*>: Illegal state change to <*state*> for dlci<*DLCI_no.*>. Not performed.

Meaning: You used the Technician Interface to change the state of a virtual circuit from active or inactive to xoff, control, or unknown. These are not user-configurable states. This message may also appear if you attempt to change the state of the control virtual circuit.

Entity Code/Event Code **25/22**

Decimal Identifier **16783638**

Severity: Trace

Message: cct <*circuit_no.*>: Illegal mode change to <*access_mode_no.*> for dlci <*DLCI_no.*>. Not performed.

Meaning: You used the Technician Interface to change the access mode to an undefined mode.

Action: Change the access mode to one of the defined modes: Group, Access, or Hybrid.

Entity Code/Event Code **25/23**

Decimal Identifier **16783639**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*DLCI_no.*> has been initialized — <*state*>.

Meaning: The specified PVC has initialized in the specified state. Note that this event will be logged only for those PVCs listed in the Frame Relay MIB.

Entity Code/Event Code **25/24**

Decimal Identifier **16783640**

Severity: Trace

Message: cct <*circuit_no.*>: Unsupported Management Type <*type_value*>.

Meaning: Frame Relay has found a configuration error in the record for the specified circuit. This message generally indicates that the configuration was done via the Technician Interface, because Site Manager enforces correct typing.

Action: Repair the configuration.

Entity Code/Event Code **25/25**

Decimal Identifier **16783641**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid discriminator found — 0x<*hex_value*>.

Meaning: DLCMI received a packet with an invalid Discriminator field on the specified circuit. The contents of the received file are contained in <*hex_value*>. Valid Discriminator field contents are 0x9 for LMI, and 0x8 for both Annex A and Annex D. Frame Relay discards the frame.

Entity Code/Event Code **25/26**

Decimal Identifier **16783642**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid call reference found — 0x<*hex_value*>.

Meaning: DLCMI received a frame with a non-null call reference value on the specified circuit. <*hex_value*> contains the first, and possibly only, byte of the invalid call reference value. Frame Relay discards the frame.

Entity Code/Event Code **25/27**

Decimal Identifier **16783643**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid locking shift found — 0x<*hex_value*>.

Meaning: Annex A DLCMI received a frame with an invalid locking shift indicator on the specified circuit. Frame Relay discards the frame.

Entity Code/Event Code **25/28**

Decimal Identifier **16783644**

Severity: Trace

Message: cct <*circuit_no.*>: Status msg error; Bad Report Type or Keep Alive IE.

Meaning: A DLCMI frame was received that contained an error in the Report type or Keep Alive Information Element (IE), or in which they were out of order. Frame Relay discards the frame.

Entity Code/Event Code **25/29**

Decimal Identifier **16783645**

Severity: Trace

Message: cct <*circuit_no.*>: DLCMI message has invalid type — 0x<*hex_value*>.

Meaning: The status message received from the switch cannot be identified. Either the switch or the router is functioning incorrectly.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider or the Bay Networks Technical Response Center for assistance.

Entity Code/Event Code **25/30**

Decimal Identifier **16783646**

Severity: Trace

Message: cct <*circuit_no.*>: Switch sequence number mismatch.

Meaning: Frame Relay received an unexpected sequence number from the Frame Relay switch.

Action: Probably none is required; Frame Relay may have missed the switch's last transmission or the switch may be resetting.

Entity Code/Event Code **25/31**

Decimal Identifier **16783647**

Severity: Trace

Message: cct <*circuit_no.*>: Switch not receiving our seq number.

Meaning: The sequence number that the Frame Relay switch returned as the last received sequence number is not what Frame Relay expected.

Action: Probably none is required; the switch may have missed Frame Relay's last transmission, or the switch may have erred in its sequence number acceptance processing.

Entity Code/Event Code **25/32**

Decimal Identifier **16783648**

Severity: Trace

Message: cct <*circuit_no.*>: Switch sequence number mismatch during recovery — accepted.

Meaning: The connection between the router and the switch had been brought down. During recovery of the connection, the sequence numbers of the router and the switch did not correspond. The router accepts the switch's sequence number and then continues with the recovery process.

Entity Code/Event Code **25/33**

Decimal Identifier **16783649**

Severity: Trace

Message: cct <*circuit_no.*>: DTE sequence number mismatch.

Meaning: The switch sent a status message with a "last received" sequence number that does not match the last sequence number that the router transmitted.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/34**

Decimal Identifier **16783650**

Severity: Trace

Message: cct <*circuit_no.*>: DTE not receiving our seq number.

Meaning: During bidirectional polling, the switch (acting as the DTE) sent a status enquiry message with a sequence number that does not match the expected value.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/35**

Decimal Identifier **16783651**

Severity: Trace

Message: cct <*circuit_no.*>: Unknown report type 0x<*hex_value*>.

Meaning: DLCMI received a frame, on the specified circuit, which contains an unknown Report type value, contained in <*hex_value*>. Supported Report type values are: for LMI and Annex A — 00 (full status) and 01 (sequence number exchange); for Annex D — 00 (full status), 01 (link interface), and 02 (single PVC).

Entity Code/Event Code **25/36**

Decimal Identifier **16783652**

Severity: Trace

Message: cct <*circuit_no.*>: Status message not received within time out.

Meaning: The Frame Relay switch failed to respond to a status enquiry transmitted on the specified circuit within the timeout period.

Entity Code/Event Code **25/37**

Decimal Identifier **16783653**

Severity: Trace

Message: cct <*circuit_no.*>: PVC IEs out of order.

Meaning: Frame Relay received a full status message on the specified circuit that failed to list PVCs in ascending order, as the standards require.

Action: Frame Relay ignores the full status message.

Entity Code/Event Code **25/38**

Decimal Identifier **16783654**

Severity: Trace

Message: cct <*circuit_no.*>: Unknown IE found 0x<*hex_value*>.

Meaning: DLCMI received an unknown/unsupported Information Element value, contained in <*hex_value*>, on the specified circuit. Supported IE values are: for LMI and Annex D — 05 (multicast status) and 07 (PVC status); for Annex A — 57 (PVC status).

Action: Investigate a mismatch between DTE/DCE processing.

Entity Code/Event Code **25/39**

Decimal Identifier **16783655**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI extract failed for a <*DATA_PKT or DLCMI_MSG*>.

Meaning: The router received a frame with an improperly formatted address.

Action: Set the address length and address type of the router to correspond to the switch's settings for address length and address type.

Entity Code/Event Code **25/40**

Decimal Identifier **16783656**

Severity: Trace

Message: cct <*circuit_no.*>: pkt length error — <short | long>.

Meaning: Frame Relay received a packet on the specified circuit that was either too long or too short.

Entity Code/Event Code **25/41**

Decimal Identifier **16783657**

Severity: Trace

Message: cct <*circuit_no.*>: unsupported control (0x<*hex_value*>).

Meaning: Frame Relay received a data packet whose Control field is other than Unnumbered Information.

Action: Frame Relay discards the packet.

Entity Code/Event Code **25/42**

Decimal Identifier **16783658**

Severity: Trace

Message: cct <*circuit_no.*>: Outgoing pkt dropped; no header space.

Meaning: A bridged frame was dropped from the specified circuit because of insufficient space to add Frame Relay encapsulation.

Entity Code/Event Code **25/43**

Decimal Identifier **16783659**

Severity: Trace

Message: cct <*circuit_no.*>: No master DLCMI entry for <*master_circuit_no.*>.

Meaning: The specified hybrid or direct access PVC is unsupported by a MIB entry for the enabling ("master") Frame Relay interface specified by <*master_circuit_no.*>.

Action: Repair the configuration.

Entity Code/Event Code **25/45**

Decimal Identifier **16783661**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI <*DLCI_no.*> out of range in PVC status IE.

Meaning: The switch has indicated the presence of a PVC with an improperly formatted DLCI.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/46**

Decimal Identifier **16783662**

Severity: Trace

Message: cct <*circuit_no.*>: IE 0x<*hex_value*> is too short. Not used.

Meaning: An Information Element in a status message from the switch was truncated.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/55**

Decimal Identifier **16783671**

Severity: Trace

Message: cct <*circuit_no.*>: STATUS message missing keep alive ie.

Meaning: The router received an improperly formatted status message from the switch.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/56**

Decimal Identifier **16783672**

Severity: Trace

Message: cct <*circuit_no.*>: Status message too short. Discarded.

Meaning: The router received an improperly formatted status message from the switch.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/74**

Decimal Identifier **16783690**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: VC <*circuit_no.*> has been initialized — <*state*>.

Meaning: Frame Relay initialized the specified virtual circuit on the specified line. Frame Relay usually produces this message when you configure a PVC (as opposed to when DLCMI creates a PVC). <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/75**

Decimal Identifier **16783691**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: pkt length error — <*short/long*>.

Meaning: Frame Relay received a packet on the specified line that was either too long or too short. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/76**

Decimal Identifier **16783692**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: DLCI <*DLCI_no.*> out of range -- invalidated.

Meaning: The switch identified a PVC with an improperly formatted DLCI, or you tried to add a PVC with an improperly formatted DLCI. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the DLCI to make sure it matches the value specified by the switch provider.

Entity Code/Event Code **25/77**

Decimal Identifier **16783693**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Unsupported Management Type <*management_type*>.

Meaning: You used the Technician Interface to specify an undefined management type. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Specify a valid management type: ANSI Technician Interface 617D; DLCMI none; Rev 1 LMI; CCITT Annex A.

Entity Code/Event Code **25/78**

Decimal Identifier **16783694**

Severity: Trace

Message: Received short frame on Line <*line_no.*> <*low_level_index*>.

Meaning: The router received a frame that was too short on the specified line. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/79**

Decimal Identifier **16783695**

Severity: Trace

Message: Unsupported control (0x<*hex_value*>) on Line <*line_no.*> <*low_level_index*>.

Meaning: Frame Relay received a data packet whose Control field was other than Unnumbered Information. Frame Relay discards the packet. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/80**

Decimal Identifier **16783696**

Severity: Trace

Message: DLCI extract failed for a DATA_PKT on Line <*line_no.*> <*low_level_index*>.

Meaning: The router received a frame on the specified line with an improperly formatted address. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Set the address length and address type of the router to correspond to the switch's settings for address length and address type.

Entity Code/Event Code **25/81**

Decimal Identifier **16783697**

Severity: Trace

Message: DLCI extract failed for a DLCMI_MSG for Line <*line_no.*> <*low_level_index*>.

Meaning: The router received a frame on the specified line with an improperly formatted address. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Set the address length and address type of the router to correspond to the switch's settings for address length and address type.

Entity Code/Event Code **25/82**

Decimal Identifier **16783698**

Severity: Trace

Message: No Frame Relay DLCMI entry found for configured Line <*line_no.*> <*low_level_index*>.

Meaning: You configured a synchronous line for Frame Relay, but Frame Relay itself has not been configured. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Configure Frame Relay.

Entity Code/Event Code **25/83**

Decimal Identifier **16783699**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Status message not received within time out.

Meaning: The router did not receive a status message from the switch within the timeout period. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Contact the switch provider for assistance. Make sure the Polling Interval timer is set to an appropriate value.

Entity Code/Event Code **25/84**

Decimal Identifier **16783700**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Invalid discriminator found — 0x<*hex_value*>.

Meaning: DLCMI received a packet with an invalid Discriminator field. The contents of the Received field are contained in <*hex_value*>. Valid Discriminator field contents are 0x9 for LMI and 0x8 for both Annex A and Annex D. Frame Relay discards the frame. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/85**

Decimal Identifier **16783701**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Invalid call reference found — 0x<*hex_value*>.

Meaning: DLCMI received a frame with a non-null call reference value on the specified line. <*hex_value*> contains the first, and possibly only, byte of the invalid call reference value. Frame Relay discards the frame. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/86**

Decimal Identifier **16783702**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Invalid locking shift found — 0x<*hex_value*>.

Meaning: Annex A DLCMI received a frame with an invalid locking shift indicator on the specified line. Frame Relay discards the frame. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/87**

Decimal Identifier **16783703**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Status enquiry msg error; Bad Report Type or Keep Alive IE.

Meaning: Frame Relay received a DLCMI frame that contained either an error in the Report type or Keep Alive Information Element, or in which those two elements were out of order. Frame Relay discards the frame. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/88**

Decimal Identifier **16783704**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: DTE sequence number mismatch.

Meaning: The switch acting as DTE sent a status enquiry message with a "last received" sequence number that does not match the last sequence number that the router transmitted. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/89**

Decimal Identifier **16783705**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: DTE not receiving our seq number.

Meaning: During bidirectional polling, the switch (acting as DTE) sent a status enquiry message with a sequence number that does not match the expected value. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/90**

Decimal Identifier **16783706**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Status message too short. Discarded.

Meaning: The router received an improperly formatted status message from the switch. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/91**

Decimal Identifier **16783707**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Unknown IE found 0x<*hex_value*>.

Meaning: An Information Element in a status message from the switch could not be identified. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/92**

Decimal Identifier **16783708**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: STATUS message missing keep alive ie.

Meaning: The router received an improperly formatted status message from the switch. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/93**

Decimal Identifier **16783709**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: IE 0x<*hex_value*> is too short. Not used.

Meaning: An Information Element in a status message from the switch was truncated. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Frame Relay ignores the status message. Contact the switch provider for assistance.

Entity Code/Event Code **25/94**

Decimal Identifier **16783710**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Switch sequence number mismatch during recovery — accepted.

Meaning: The connection between the router and the switch had been brought down. During recovery of the connection, the sequence numbers of the router and the switch did not correspond. The router accepts the switch's sequence number and then continues with the recovery process. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/95**

Decimal Identifier **16783711**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Switch sequence number mismatch.

Meaning: The switch sent a status message with a sequence number that does not match the sequence number that the router expected. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/96**

Decimal Identifier **16783712**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Switch not receiving our seq number.

Meaning: The switch sent a status message with a "last received" sequence number that does not match the last sequence number that the router sent. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider for assistance.

Entity Code/Event Code **25/97**

Decimal Identifier **16783713**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: PVC IEs out of order.

Meaning: Frame Relay received a full status message on the specified line that failed to list PVCs in ascending order, as required by the standards. Frame Relay ignores the full status message. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/98**

Decimal Identifier **16783714**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Unknown report type 0x<*hex_value*>.

Meaning: DLCMI received a frame on the specified line that contains an unknown Report Type value, contained in <*hex_value*>. Supported Report Type values are as follows: for Annex A-00 (full status), 01 (link integrity), and for Annex D and Annex A, 02 (single PVC). <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Entity Code/Event Code **25/99**

Decimal Identifier **16783715**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: DLCMI message has invalid type — 0x<*hex_value*>.

Meaning: Frame Relay cannot identify the status message received from the switch. Either the switch or the router is functioning incorrectly. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Check the physical connection between the router and the switch. If you cannot resolve the problem, contact the switch provider or the Bay Networks Technical Response Center for assistance.

Entity Code/Event Code **25/100**

Decimal Identifier **16783716**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: DLCI <*DLCI_no.*> out of range in PVC status IE.

Meaning: The switch has indicated the presence of a PVC with an improperly formatted DLCI. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Contact the switch provider for assistance.

Entity Code/Event Code **25/101**

Decimal Identifier **16783717**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Illegal mode change to <*access_mode*> for dlci <*DLCI_no.*>.

Meaning: You used the Technician Interface to change the access mode to an undefined mode. <*line_no.*> and <*low_level_index*> together uniquely identify the Frame Relay entity.

Action: Change the access mode to one of the defined modes: group, access, or hybrid.

Entity Code/Event Code **25/102**

Decimal Identifier **16783718**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Illegal state change to <*state*> for dlci <*DLCI_no.*>.

Meaning: You used the Technician Interface to attempt to change the state of a PVC to an unknown or illegal state. Legal states are Invalid, Active, or Inactive. Other states are possible through LMI operation, but you cannot set them.

Action: Change the state to one of the valid values.

Entity Code/Event Code **25/114**

Decimal Identifier **16783730**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Can't add signalling DLCI <*DLCI_no.*>. Entry is deleted.

Meaning: You used the Technician Interface to attempt to add a VC with a DLCI that is reserved for signaling. DLCI 0 and 1023 are reserved for signaling. <*DLCI_no.*> is the number of the DLCI you tried to add.

Action: Add the VC again, with a valid DLCI value.

Entity Code/Event Code **25/116**

Decimal Identifier **16783732**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: VC <*DLCI_no.*> is experiencing congestion.

Meaning: According to the congestion control parameters you have set, the VC indicated by <*DLCI_no.*> is experiencing congestion. Congestion control procedures are now in effect for the specified VC.

Entity Code/Event Code **25/117**

Decimal Identifier **16783733**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: VC <*DLCI_no.*> recovered from congestion.

Meaning: According to the congestion control parameters you have set, the congestion on the VC indicated by <*DLCI_no.*> has cleared. Congestion control procedures are now turned off.

Entity Code/Event Code **25/118**

Decimal Identifier **16783734**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: IE 0x<*hex_value*> has bad length <*integer value*>.

Meaning: A message received from the switch has an Information Element with an invalid length.

Action: If this condition persists, contact the service provider to check for errors.

Entity Code/Event Code **25/119**

Decimal Identifier **16783735**

Severity: Trace

Message: Line <*line_no.*> <*low_level_index*>: Invalid extension bit set.

Meaning: An extension bit in the Frame Relay header is improperly set for a frame received from the switch.

Action: If this condition persists, contact the service provider to check for errors.

FRSW Events

The Frame Relay Switch service, referred to as the FRSW entity, issues the following event messages. The entity code assigned to FRSW events is 65.

Fault Event

Entity Code/Event Code **65/1**

Decimal Identifier **16793857**

Severity: Fault

Message: System error, service attempting restart.

Meaning: FRSW experienced a fatal error and is restarting automatically. It will attempt to restart up to five times.

Action: Verify configuration. Call the Bay Networks Technical Response Center if the problem persists.

Warning Events

Entity Code/Event Code **65/2**

Decimal Identifier **16793858**

Severity: Warning

Message: cct <*circuit_no.*>: Address length invalid for specified address type.

Meaning: A configuration error exists in the record for the specified circuit. This message generally indicates that extended (2 or 3 byte) addressing has been paired with an address type (for example Q921) that does not support address extension.

Action: Repair the configuration record.

Entity Code/Event Code **65/3**

Decimal Identifier **16793859**

Severity: Warning

Message: cct <*circuit_no.*>: Invalid Address encoding type<*type_value*>.

Meaning: FRSW has found a configuration error in the record for the specified circuit, namely an unknown address type. This message generally indicates that the configuration was done via the Technician Interface as Site Manager enforces correct typing.

Action: Repair the configuration.

Entity Code/Event Code **65/4**

Decimal Identifier **16793860**

Severity: Warning

Severity: cct <*circuit_no.*>: IP addr <*IP_address*> differs from DLCMI record <*IP_address*>.

Meaning: FRSW has found an inconsistency in the configuration record.

Action: Verify the accuracy of the DLCMI record IP entry (L3NetAddress).

Entity Code/Event Code **65/5**

Decimal Identifier **16793861**

Severity: Warning

Message: cct <*circuit_no.*>: Invalid address length <*bytes*>.

Meaning: FRSW has received a frame with an invalid address length, specified by <*bytes*>. Valid address lengths are 2, 3, and 4 bytes.

Action: None may be required as FRSW ignores the frame. Recurrence of the problem may indicate that some network equipment is generating malformed frames.

Entity Code/Event Code **65/6**

Decimal Identifier **16793862**

Severity: Warning

Message: cct <*circuit_no.*>: Receiving packets with invalid IP header.

Meaning: The specified circuit has received a packet with a badly-formed or erroneous IP header.

Action: None may be required as the condition may be transient. If the condition persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/7**

Decimal Identifier **16793863**

Severity: Warning

Message: cct <*circuit_no.*>: Cctrec config error on dlci <*dlci_no.*>.

Meaning: The circuit entry for the specified dlci contains an error.

Action: Repair the configuration record.

Entity Code/Event Code **65/8**

Decimal Identifier **16793864**

Severity: Warning

Message: cct <*circuit_no.*>: Dlcmi record modified; terminating.

Meaning: The MIB DLCMI record has been modified; DLCMI will no longer operate on the specified circuit.

Entity Code/Event Code **65/9**

Decimal Identifier **16793865**

Severity: Warning

Message: cct <*circuit_no.*>: Encaps gate received unexpected signal.

Meaning: The specified circuit could not be initialized.

Action: Delete, and then re-add the specified circuit.

Entity Code/Event Code **65/10**

Decimal Identifier **16793866**

Severity: Warning

Message: cct <*circuit_no.*>: Unable to determine serial number of unit.

Meaning: FRSW was unable to read the hardware serial ID.

Action: None may be required as the hardware id is only used when establishing multicast compatibility between Version 2 and Version 3 BNX switches. If multicast compatibility problems occur, call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/11**

Decimal Identifier **16793867**

Severity: Warning

Message: cct <*circuit_no.*>: Buffers exhausted while initializing.

Meaning: FRSW is unable to start because of a lack of internal resources.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/12**

Decimal Identifier **16793868**

Severity: Warning

Message: cct <*circuit_no.*>: IP refused encaps registration; terminating encaps.

Meaning: The specified circuit failed to initialize properly during fault recovery or initialization.

Action: None should be required as additional fault recovery will take place. If the condition persists, check the IP configuration record for errors.

Entity Code/Event Code **65/13**

Decimal Identifier **16793869**

Severity: Warning

Message: cct <*circuit_no.*>: No registration reply from IP; terminating encaps.

Meaning: The specified circuit has failed to initialize properly.

Action: None may be required as additional fault processing will attempt to restart the circuit. If the circuit fails to initialize, confirm that IP is configured for the circuit.

Entity Code/Event Code **65/14**

Decimal Identifier **16793870**

Severity: Warning

Message: cct <*circuit_no.*>: Cfg error - mcast individual dlci <*dlci_no.*> is not in tuple table.

Meaning: The specified dlci, which has been associated with a multicast dlci, is not in the tuple records.

Action: Repair the configuration record.

Entity Code/Event Code **65/15**

Decimal Identifier **16793871**

Severity: Warning

Message: cct <*circuit_no.*>: Cfg error - multicast dlci <*dlci_no.*> is in the tuple records.

Meaning: The specified dlci, which has been configured as multicast, has been used in a switch tuple record.

Action: Repair the configuration record.

Entity Code/Event Code **65/16**

Decimal Identifier **16793872**

Severity: Warning

Message: cct <*circuit_no.*>: Dlcmi record deleted; terminating.

Meaning: The MIB DLCMI record has been deleted; DLCMI will no longer operate on the specified circuit.

Action: This message should only be encountered when the DLCMI record has been deleted through the Technician Interface. In other instances, call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/17**

Decimal Identifier **16793873**

Severity: Warning

Message: cct <*circuit_no.*>: Endpoint <*IP_address*>, dlci <*dlci_no.*>, not in circuit records.

Meaning: The tuple records contain an entry for the specified IP address/dlci pair, but no corresponding virtual circuit exists.

Action: None may be required as the BNX ignores the entry. However, you should correct the configuration record.

Entity Code/Event Code **65/18**

Decimal Identifier **16793874**

Severity: Warning

Message: cct <*circuit_no.*>: FRSW config error for DLCMI Rec.

Meaning: The MIB DLCMI record for the specified circuit contains an error.

Action: Repair the record.

Entity Code/Event Code **65/19**

Decimal Identifier **16793875**

Severity: Warning

Message: cct <*circuit_no.*>: Service configured but disabled.

Meaning: Switching is configured on the synchronous interface that supports the specified circuit. However, the Frame Relay DLCMI MIB entry is marked disabled.

Action: Use the Technician Interface to enable the Frame Relay DLCMI MIB entry to initiate Frame Relay Switch service.

Entity Code/Event Code **65/20**

Decimal Identifier **16793876**

Severity: Warning

Message: cct <*circuit_no.*>: Duplicate cctnum detected.

Meaning: FRSW has detected identical circuit number entries in two different circuit entry records

Action: Check configuration for two instances of the same circuit number.

Entity Code/Event Code **65/21**

Decimal Identifier **16793877**

Severity: Warning

Message: IP <*index_value*>: Duplicate IP address detected.

Meaning: A duplicate IP address has been detected in more than one DLCMI entry record.

Action: Ensure that all FRSW interfaces have unique IP addresses.

Entity Code/Event Code **65/22**

Decimal Identifier **16793878**

Severity: Warning

Message: cct <*circuit_no.*>: Duplicate cctrec, dlci <*dlci_no.*>.

Meaning: FRSW has detected two dlci's with the same identifier.

Action: Correct the configuration.

Entity Code/Event Code **65/23**

Decimal Identifier **16793879**

Severity: Warning

Message: Duplicate Tuple, <*IP_address*, *dlci_no.*>.

Meaning: The specified tuple is duplicated within the tuple records.

Action: Delete one instance of the tuple.

Entity Code/Event Code **65/24**

Decimal Identifier **16793880**

Severity: Warning

Message: cct <*circuit_no.*>: High Priority Tx Q congestion.

Meaning: The line is not passing high priority traffic properly.

Action: None may be required as the event message may be generated in response to transient network conditions. If the problem persists for longer than three minutes, the line should be manually disabled and then enabled. If the problem still persists, further testing of the line is indicated.

Entity Code/Event Code **65/25**

Decimal Identifier **16793881**

Severity: Warning

Message: cct <*circuit_no.*>: Low priority Tx Q congestion.

Meaning: The specified circuit is congested by an excessive amount of user traffic.

Action: None may be required as the event message may be generated in response to transient network conditions. If the problem persists for longer than 30 minutes and happens with regularity, the network topology may require modification.

Entity Code/Event Code **65/26**

Decimal Identifier **16793882**

Severity: Warning

Message: cct <*circuit_no.*>: DLCMI process receiving non-DLCMI messages.

Meaning: The DLCMI is receiving data messages.

Action: Call the Bay Networks Technical Response Center as this condition is symptomatic of serious problems in driver processing.

Entity Code/Event Code **65/27**

Decimal Identifier **16793883**

Severity: Warning

Message: cct <*circuit_no.*>: No Frame Relay DLCMI entry rec found.

Meaning: The specified circuit is configured for FRSW; however, DLCMI has not been configured.

Action: Configure DLCMI for the circuit.

Entity Code/Event Code **65/28**

Decimal Identifier **16793884**

Severity: Warning

Message: cct <*circuit_no.*>: Excessive DLCMI errors.

Meaning: FRSW has taken down the specified circuit because of excessive errors, as measured by the Error Threshold and Monitored Events configuration parameters.

Action: None may be required as FRSW will monitor the line for quality and attempt to restart. If condition persists check the integrity of the physical connection.

Entity Code/Event Code **65/29**

Decimal Identifier **16793885**

Severity: Warning

Message: Tuple config error <*IP_address*>, dlci <*dlci_no.*>.

Meaning: FRSW has detected a problem with either the IP address or the dlci number for the specified tuple.

Action: Correct the IP address and/or dlci number.

Entity Code/Event Code **65/30**

Decimal Identifier **16793886**

Severity: Warning

Message: Tuple no cctrec, <*IP_address*>, <*dlci_no.*>.

Meaning: The dlci in the specified switch tuple has no corresponding circuit entry.

Action: Repair the tuple configuration.

Entity Code/Event Code **65/31**

Decimal Identifier **16793887**

Severity: Warning

Message: Tuple no local IP, <*IP_address*>, <*dlci_no.*>.

Meaning: A switch tuple has been incorrectly configured, in that it contains two “remote” IP addresses.

Action: Repair the tuple configuration.

Entity Code/Event Code **65/34**

Decimal Identifier **16793890**

Severity: Warning

Message: cct <*circuit_no.*>: Service initializing.

Meaning: FRSW has begun initialization on the specified circuit.

Entity Code/Event Code **65/38**

Decimal Identifier **16793894**

Severity: Warning

Message: cct <*circuit_no.*>: Service initialized.

Meaning: FRSW has completed initialization on the specified circuit.

Entity Code/Event Code **65/39**

Decimal Identifier **16793895**

Severity: Warning

Message: cct <*circuit_no.*>: Service recovery.

Meaning: DLCMI has recovered from an error condition on the specified circuit. After shutting down, DLCMI has received a sufficient number of valid polls to verify the present integrity of the line.

Entity Code/Event Code **65/40**

Decimal Identifier **16793896**

Severity: Warning

Message: cct <*circuit_no.*>: Service terminating.

Meaning: FRSW has terminated on the specified circuit

Entity Code/Event Code **65/69**

Decimal Identifier **16793925**

Severity: Warning

Message: cct <*circuit_no.*>: Switch sequence number mismatch.

Meaning: The BNX has received a status exchange message that contains an incorrect sequence number.

Action: None may be required if the condition is transient. The BNX does log an error by incrementing the error threshold counter. If this increment causes the line to be taken down (the error threshold/monitored events ratio has proven unacceptable), the BNX will attempt to restore the connection, by continuing status exchanges with the remote equipment.

Entity Code/Event Code **65/99**

Decimal Identifier **16793955**

Severity: Warning

Message: cct <*circuit_no.*>: DLCMI process receiving control byte errors in LMI frame, cct <*circuit_no.*>.

Meaning: The adjacent DTE equipment is sending faulty LMI transmissions, containing a bad control byte value.

Action: None may be required if the situation is transient; if the error persists, the circuit will be taken down. Verify the integrity of the DTE equipment.

Entity Code/Event Code **65/100**

Decimal Identifier **16793956**

Severity: Warning

Message: cct <*circuit_no.*>: More VCs open (<*no._of_open_VCs*>) than Max Supported (<*max_supported_VCs*>).

Meaning: The number of PVCs in use exceeds the configured maximum value for this circuit.

Action: None is immediately required as current system resources are sufficient to support the PVCs.

Entity Code/Event Code **65/101**

Decimal Identifier **16793957**

Severity: Warning

Message: cct <*circuit_no.*>: High Priority Tx Q congestion building up. Verify external clocking.

Meaning: The specified interface may have ceased to transmit frames.

Action: Verify the integrity of the external clock.

Entity Code/Event Code **65/102**

Decimal Identifier **16793958**

Severity: Warning

Message: cct <*circuit_no.*>: <*max_no._of_supported_PVCs*>: wfFrSwDlcmiMaxSupportedVcs greater than maximum <*max_allowed*>.

Meaning: The configured value for the maximum number of PVCs that this circuit could support is greater than the number that the system has resources to support. The number of PVCs the BNX can support is based on several dynamic factors. The number calculated by FRSW is a theoretical maximum which may not be achievable.

Action: Repair the configuration record.

Entity Code/Event Code **65/123**

Decimal Identifier **16793979**

Severity: Warning

Message: duplicate tuple <*IP_address*> <*dlci*> <*IP_address*> <*dlci*>

Meaning: FRSW has detected a duplicate tuple entry.

Action: Repair the tuple record.

Entity Code/Event Code **65/132**

Decimal Identifier **16793988**

Severity: Warning

Message: cct <*circuit_no.*>: dlcmi2dlcmi - No buffer for IP registration.

Meaning: The specified bi-directional/NNI circuit has failed to initialize properly due to lack of internal resources.

Action: None may be required as additional fault processing will attempt to restart the circuit. If the circuit fails to initialize, call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/133**

Decimal Identifier **16793989**

Severity: Warning

Message: cct <*circuit_no.*>: dlcmi2dlcmi - No registration reply from IP; terminating gate <*gate_ID*>.

Meaning: The specified bidirectional/NNI circuit has failed to initialize properly.

Action: None may be required as additional fault processing will attempt to restart the circuit. If the circuit fails to initialize, confirm that IP is configured for the circuit.

Entity Code/Event Code **65/134**

Decimal Identifier **16793990**

Severity: Warning

Message: cct <*circuit_no.*>: dlcmi2dlcmi - IP refused DLCMI registration; terminating gate <*gate_ID*>.

Meaning: The specified bidirectional/NNI circuit failed to initialize properly during fault recovery or initialization.

Action: None should be required as additional fault recovery will take place. If the condition persists, check the IP configuration record for errors.

Entity Code/Event Code **65/136**

Decimal Identifier **16793992**

Severity: Warning

Message: cct <*circuit_no.*>: PVC: <*dlci*>, cannot reach dest IP net: <*IP_address*>, dest dlci: <*dlci_no.*>

Meaning: The BNX has determined that the remote end of a cross-net PVC is unreachable because it has missed a consecutive number (determined by the Cross Net Error Threshold Site Manager parameter) of cross net statuses from the remote peer. Failure to receive such statuses generally indicates a failure in the intervening network(s).

Action: None is possible as the message indicates a network failure. The BNX will continue to issue and listen for cross-net status messages.

Info Events

Entity Code/Event Code **65/32**

Decimal Identifier **16793888**

Severity: Info

Message: cct <*circuit_no.*>: Adding virtual circuit with DLCI <*dlci_no.*>.

Meaning: The specified virtual circuit is being added on the specified circuit.

Entity Code/Event Code **65/33**

Decimal Identifier **16793889**

Severity: Info

Message: cct <*circuit_no.*>: IP addr change in DLCMI record <*IP_address*>.

Meaning: The IP address of the specified circuit has been changed.

Entity Code/Event Code **65/35**

Decimal Identifier **16793891**

Severity: Info

Message: cct <*circuit_no.*>: IP initialized address to <*IP_address*>.

Meaning: The specified circuit has been initialized with the specified IP dotted decimal address.

Entity Code/Event Code **65/36**

Decimal Identifier **16793892**

Severity: Info

Message: cct <*circuit_no.*>: VC record for DLCI <*dlci_no.*> deleted.

Meaning: The specified virtual circuit has been deleted.

Entity Code/Event Code **65/37**

Decimal Identifier **16793893**

Severity: Info

Message: cct <*circuit_no.*>: VC record for DLCI <*dlci_no.*> modified.

Meaning: The specified virtual circuit has been modified.

Entity Code/Event Code **65/105**

Decimal Identifier **16793961**

Severity: Info

Message: cct <*circuit_no.*>: congestion control subsystem not loaded.

Meaning: Congestion control has not been enabled on the specified circuit.

Entity Code/Event Code **65/106**

Decimal Identifier **16793962**

Severity: Info

Message: cct <*circuit_no.*>: congestion control subsystem died.

Meaning: Congestion control has been disabled on the specified circuit.

Entity Code/Event Code **65/116**

Decimal Identifier **16793972**

Severity: Info

Message: cct <*circuit_no.*>: other network reported VC <*dlci_no.*> changed to <Active | Inactive>.

Meaning: The remote side of an NNI has reported that the specified PVC has transitioned to the specified state.

Entity Code/Event Code **65/118**

Decimal Identifier **16793974**

Severity: Info

Message: wfFrSwDlcmiEntry.1.<*instance_ID*> set to delete

Meaning: The specified DLCMI instance has been deleted in response to a configuration error in the DLCMI record.

Action: Reconfigure the DLCMI with Site Manager.

Entity Code/Event Code **65/119**

Decimal Identifier **16793975**

Severity: Info

Message: wfFrSwDlcmiEntry <*instance_ID*> and <*instance_ID*> have same IP address

Meaning: Two DLCMIs have been configured with the same IP address.

Action: Repair the configuration by assigning a unique IP address to each DLCMI instance.

Entity Code/Event Code **65/120**

Decimal Identifier **16793976**

Severity: Info

Message: wfFrSwDlcmiEntry <*instance_ID*> has NULL IP addr

Meaning: The specified DLCMI has been configured without an IP address.

Action: Repair the configuration record by assigning an IP address.

Entity Code/Event Code **65/121**

Decimal Identifier **16793977**

Severity: Info

Message: wfFrSwCctEntry.1. <*instance_ID*> set to delete

Meaning: The specified PVC instance has been deleted in response to a configuration error in the PVC record.

Action: Reconfigure the PVC with Site Manager.

Entity Code/Event Code **65/122**

Decimal Identifier **16793978**

Severity: Info

Message: wfCctEntry <*instance_ID*> no wfFrSwDlcmiEntry

Meaning: DLCMI has not been configured for the specified PVC instance.

Action: Repair the configuration record.

Entity Code/Event Code **65/124**

Decimal Identifier **16793980**

Severity: Info

Message: wfFrSwTupleEntry.1.<*IP_address*>.<*dlci_no.*>.<*IP_address*>.<*dlci_no.*> set to delete

Meaning: The specified tuple has been deleted in response to a configuration error in the tuple record.

Action: Reconfigure the tuple with Site Manager.

Entity Code/Event Code **65/125**

Decimal Identifier **16793981**

Severity: Info

Message: wfFrSwTupleEntry <*IP_address*> <*dlci_no.*> <*IP_address*> <*dlci_no.*> has no local IP

Meaning: The specified tuple has no local IP address.

Action: Repair the configuration record to associate the local dlci with a local IP address.

Entity Code/Event Code **65/126**

Decimal Identifier **16793982**

Severity: Info

Message: wfFrSwTupleEntry <*IP_address*> <*dlci_no.*> <*IP_address*> <*dlci_no.*> has no local wfFrSwCctEntry record

Meaning: The specified tuple has no local dlci.

Action: Repair the configuration record to create a wfFrSwCctEntry for the local dlci.

Entity Code/Event Code **65/127**

Decimal Identifier **16793983**

Severity: Info

Message: deleting wfFrSwDlcmiEntry <*instance_ID*>

Meaning: The specified DLCMI instance has been deleted in response to a user request.

Entity Code/Event Code **65/128**

Decimal Identifier **16793984**

Severity: Info

Message: deleting wfFrSwCctEntry <*instance_ID*>

Meaning: The specified PVC has been deleted in response to a user request.

Entity Code/Event Code **65/129**

Decimal Identifier **16793985**

Severity: Info

Message: deleting wfFrSwTupleEntry <*IP_address*> <*dlci_no.*> <*IP_address*> <*dlci_no.*>

Meaning: The specified tuple has been deleted in response to a user request.

Entity Code/Event Code **65/130**

Decimal Identifier **16793986**

Severity: Info

Message: slot <*slot_no.*>: frsw_map subsystem not loaded.

Meaning: Required modules of Frame Relay Switching software have not been loaded on the specified slot. Frame Relay Switching cannot run on this slot.

Action: Restart the BNX. If this message repeats, call the Bay Networks Technical Response Center.

Entity Code/Event Code **65/137**

Decimal Identifier **16793993**

Severity: Info

Message: cct <*circuit_no.*>:PVC: <*dlci_no.*>, can now reach dest net <*IP_address*>, dest dlci <*remote_dlci_no.*>

Meaning: Cross-net signaling has determined that the specified PVC, which had previously been in the Inactive state (and thus unreachable), is now in the Active state (and reachable).

Entity Code/Event Code **65/138**

Decimal Identifier **16793994**

Severity: Info

Message: cct <*circuit_no.*>:PVC <*dlci_no.*>, inactive indication received from dest IP net: <*IP_address*>, dest dlci: <*remote_dlci_no.*>

Meaning: A cross-net signal, received from the remote end of the PVC segment, indicates that the specified PVC is in the inactive state.

Entity Code/Event Code **65/139**

Decimal Identifier **16793995**

Severity: Info

Message: cct <*circuit_no.*>:PVC <*dlci_no.*>, active indication received from dest IP net: <*IP_address*>, dest dlci: <*remote_dlci_no.*>

Meaning: A cross-net signal, received from the remote end of the PVC segment, indicates that the specified PVC is in the active state.

Trace Events

Entity Code/Event Code **65/41**

Decimal Identifier **16793897**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI extract failed for a <*character_string*>.

Meaning: Indicates a failure in internal processing. The frame is ignored.

Entity Code/Event Code **65/42**

Decimal Identifier **16793898**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid call reference found - 0x<*hex_value*>.

Meaning: DLCMI has received a frame with a non-null call reference value on the specified circuit. <hex_value> contains the first, and possibly only, byte of the invalid call reference value. The frame is discarded.

Entity Code/Event Code **65/43**

Decimal Identifier **16793899**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid discriminator found - 0x<*hex_value*>.

Meaning: DLCMI has received a packet with an invalid discriminator field on the specified circuit. The contents of the received filed are contained in <hex_value>. Valid discriminator field contents are 0x9 for LMI, and 0x8 for both Annex A and Annex D. The frame is discarded.

Entity Code/Event Code **65/44**

Decimal Identifier **16793900**

Severity: Trace

Message: cct <*circuit_no.*>: DLCMI message has invalid type - 0x<*hex_value*>.

Meaning: FRSW has received a DLCMI message with the unknown type specified by the hexadecimal value.

Action: Confirm the compatibility of DTE and DCE configurations.

Entity Code/Event Code **65/45**

Decimal Identifier **16793901**

Severity: Trace

Message: cct <*circuit_no.*>: Pkt length error - <short | long>.

Meaning: FRSW received a packet on the specified circuit that was either too long or too short. The packet is discarded.

Entity Code/Event Code **65/46**

Decimal Identifier **16793902**

Severity: Trace

Message: cct <*circuit_no.*>: Invalid locking shift found - 0x<*hex_value*>.

Meaning: Annex A DLCMI has received a frame with an invalid locking shift indicator on the specified circuit. The frame is discarded.

Entity Code/Event Code **65/48**

Decimal Identifier **16793904**

Severity: Trace

Message: cct <*circuit_no.*>: Unable to extract dlci.

Meaning: Indicates a failure in internal processing. The frame is ignored.

Entity Code/Event Code **65/49**

Decimal Identifier **16793905**

Severity: Trace

Meaning: cct <*circuit_no.*>: IP registered with encapsulation gate.

Meaning: Indicates that the initialization process for the specified circuit is underway.

Entity Code/Event Code **65/50**

Decimal Identifier **16793906**

Severity: Trace

Message: cct <*circuit_no.*>: Add multicast dlci <*dlci_no.*> -> <*decimal_value*>.

Meaning: The specified multicast entry has been added to the MIB.

Entity Code/Event Code **65/51**

Decimal Identifier **16793907**

Severity: Trace

Message: cct <*circuit_no.*>: Delete multicast dlci <*dlci_no.*> -> <*decimal_value*>.

Meaning: The specified multicast entry has been added to the MIB.

Entity Code/Event Code **65/52**

Decimal Identifier **16793908**

Severity: Trace

Message: cct <*circuit_no.*>: Initializing multicast gate.

Meaning: Indicates that the multicast initialization process for the specified circuit is underway.

Entity Code/Event Code **65/53**

Decimal Identifier **16793909**

Severity: Trace

Message: cct <*circuit_no.*>: Waiting for IP initialization (<*IP_address*> gate <*gate_no.*>).

Meaning: The initialization process is underway; FRSW is pending for IP.

Entity Code/Event Code **65/54**

Decimal Identifier **16793910**

Severity: Trace

Message: cct <*circuit_no.*>: Rebuilding tuple tables.

Meaning: The specified circuit, which has been modified or initialized, is examining the tuple records.

Entity Code/Event Code **65/55**

Decimal Identifier **16793911**

Severity: Trace

Message: cct <*circuit_no.*>: Inconsistent tuples <*IP_address dlci_no.*> -> <*IP_address dlci_no.*> and <*IP_address dlci_no.*>.

Meaning: Tuple records are inconsistent; consequently switching cannot be properly accomplished.

Action: Repair the tuples configuration.

Entity Code/Event Code **65/56**

Decimal Identifier **16793912**

Severity: Trace

Message: cct <*circuit_no.*>: <*IP_address dlci_no.*> -> <*IP_address dlci_no.*> tuple config record deleted.

Meaning: The specified switch tuple was deleted.

Entity Code/Event Code **65/57**

Decimal Identifier **16793913**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI <*dlci_no.*> out of range - invalidated.

Meaning: The user has added a PVC that is not within the allowable range specified by the addressing format. FRSW does not honor the user request.

Entity Code/Event Code **65/58**

Decimal Identifier **16793914**

Severity: Trace

Message: cct <*circuit_no.*>: DLCI <*dlci_no.*> out of range in PVC status IE.

Meaning: FRSW received a full status message that failed to list the specified PVC. The full status message is ignored.

Entity Code/Event Code **65/59**

Decimal Identifier **16793915**

Severity: Trace

Message: cct <*circuit_no.*>: Unsupported Management Type <*type_value*>.

Meaning: FRSW has found a configuration error in the record for the specified circuit. This message generally indicates that the configuration was done via the Technician Interface as Site Manager enforces correct typing.

Action: Repair the configuration.

Entity Code/Event Code **65/60**

Decimal Identifier **16793916**

Severity: Trace

Message: cct <*circuit_no.*>: PVC IEs out of order.

Meaning: FRSW received a full status message on the specified circuit that failed to list PVCs in ascending order as is required by the standards. Frame Relay ignores the full status message.

Entity Code/Event Code **65/61**

Decimal Identifier **16793917**

Severity: Trace

Message: cct <*circuit_no.*>: Illegal mode change to <*mode_ID*> for dlci <*dlci_no.*>. Not performed.

Meaning: An attempted mode change is not an allowed transition from the current mode. The software ignores the request.

Entity Code/Event Code **65/62**

Decimal Identifier **16793918**

Severity: Trace

Message: cct <*circuit_no.*>: Illegal state change to <*state*> for dlci <*dlci_no.*>. Not performed.

Meaning: An attempted state change is not an allowed transition from the current state. The software ignores the request.

Entity Code/Event Code **65/63**

Decimal Identifier **16793919**

Severity: Trace

Message: cct <*circuit_no.*>: Can't add signalling DLCI <*dlci_no.*>. Entry is deleted.

Meaning: The user has attempted to add dlci 0 or 1023 to the specified FRSW interface. These dlci's are reserved for network signalling. FRSW does not honor the user request.

Entity Code/Event Code **65/64**

Decimal Identifier **16793920**

Severity: Trace

Message: cct <*circuit_no.*>: No master DLCMI entry for <*circuit_no.*>.

Meaning: The specified circuit does not have an associated DLCMI record.

Action: Configure a DLCMI record before attempting add tuples to the circuit.

Entity Code/Event Code **65/65**

Decimal Identifier **16793921**

Severity: Trace

Message: cct <*circuit_no.*>: DTE sequence number mismatch.

Meaning: The last sequence number sent by the DTE was out of sequence with previous messages.

Action: Diagnose the DTE and access line for trouble.

Entity Code/Event Code **65/66**

Decimal Identifier **16793922**

Severity: Trace

Message: cct <*circuit_no.*>: DTE not receiving our seq number.

Meaning: The DTE is not incrementing the FRSW sequence number.

Action: Ensure that DTE and DCE configurations are compatible.

Entity Code/Event Code **65/67**

Decimal Identifier **16793923**

Severity: Trace

Message: cct <*circuit_no.*>: Adding new over old pvc - <*dlci_no.*> - <*state*>.

Meaning: FRSW has received a status message from DLCMI that notes as new an already existing PVC, identified by <dlci_no.>. The PVC state is noted as Active or Inactive.

Entity Code/Event Code **65/70**

Decimal Identifier **16793926**

Severity: Trace

Message: cct <*circuit_no.*>: Switch sequence number mismatch during recovery - accepted.

Meaning: The BNX, while initializing, has received a status exchange message that contains an incorrect sequence number.

Action: None may be required if the condition is transient. The BNX ignores this exchange and proceeds with initialization.

Entity Code/Event Code **65/71**

Decimal Identifier **16793927**

Severity: Trace

Message: cct <*circuit_no.*>: IE 0x<*element_ID*> is too short. Not used.

Meaning: The information element in a DLCMI message is shorter than is specified by the protocol. The message is ignored.

Entity Code/Event Code **65/72**

Decimal Identifier **16793928**

Severity: Trace

Message: cct <*circuit_no.*>: Status msg error; Bad Report Type or Keep Alive IE.

Meaning: A DLCMI frame was received that contained either an error in either the Report Type or Keep Alive information element (IE), or in which the Report Type and Keep Alive elements were out of order. FRSW discards the frame.

Entity Code/Event Code **65/73**

Decimal Identifier **16793929**

Severity: Trace

Message: cct <*circuit_no.*>: Status message not received within time out.

Meaning: The remote end failed to respond to a status inquiry transmitted on the specified circuit within the timeout period.

Action: None may be required as the inquiry will be repeated. If condition persists, check configuration of the remote end.

Entity Code/Event Code **65/74**

Decimal Identifier **16793930**

Severity: Trace

Message: cct <*circuit_no.*>: Unknown IE found 0x<*hex_value*>.

Meaning: DLCMI has received an unknown/unsupported information element (IE) value, contained in <hex_value>, on the specified circuit. Supported IE values are: for LMI and Annex D — 05 (multicast status) and 07 (PVC status); for Annex A — 57 (PVC status).

Action: Investigate a mismatch between DTE/DCE processing.

Entity Code/Event Code **65/75**

Decimal Identifier **16793931**

Severity: Trace

Meaning: cct <*circuit_no.*>: Unknown report type 0x<*hex_value*>.

Meaning: DLCMI has received a frame, on the specified circuit, which contains an unknown Report type value, contained in <hex_value>. Supported Report type values are: for LMI and Annex A — 00 (full status) and 01 (sequence number exchange); for Annex D — 00 (full status), 01 (link interface), and 02 (single PVC).

Action: Investigate a mismatch between DTE/DCE processing.

Entity Code/Event Code **65/76**

Decimal Identifier **16793932**

Severity: Trace

Message: cct <*circuit_no.*>: Unsupported control (0x<*hex_value*>) in a <*character_string*>.

Meaning: FRSW has received a data packet whose control field is other than Unnumbered Information. The packet is deleted.

Entity Code/Event Code **65/77**

Decimal Identifier **16793933**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> added - <*state*>.

Meaning: The specified DLCI has been added by the user or by DLCMI to the specified FRSW interface. <state> specifies the DLCI state, Active or Inactive.

Entity Code/Event Code **65/78**

Decimal Identifier **16793934**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> deleted.

Meaning: The user or DLCMI has deleted the specified PVC.

Entity Code/Event Code **65/79**

Decimal Identifier **16793935**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> has been initialized - <*state*>.

Meaning: The specified PVC has initialized in the specified state.

Entity Code/Event Code **65/80**

Decimal Identifier **16793936**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> has been re-added - <*state*>.

Meaning: DLCMI has added the specified PVC in the specified state. The PVC had previously been listed in the MIB in the Invalid state.

Entity Code/Event Code **65/81**

Decimal Identifier **16793937**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> changed to <*state*>.

Meaning: The user or DLCMI has changed the state of the specified PVC to Active, Inactive, or Invalid.

Entity Code/Event Code **65/82**

Decimal Identifier **16793938**

Severity: Trace

Message: cct <*circuit_no.*>: VC <*dlci_no.*> is now used as <*address_type*>.

Meaning: DLCMI or the user has changed the addressing type (Unicast or Multicast) of the specified DLCI.

Entity Code/Event Code **65/117**

Decimal Identifier **16793973**

Severity: Trace

Message: cct <*circuit_no.*>: received STATUS message missing keep alive ie.

Meaning: The BNX received a faulty status message, containing a missing or unreadable IE field.

Entity Code/Event Code **65/131**

Decimal Identifier **16793987**

Severity: Trace

Message: cct <*circuit_no.*>: dlcmi2dlcmi- IP registered with gate <*gate_ID*>.

Meaning: The specified bi-directional/NNI circuit is initializing normally.

FRSW_BILLING Events

The Frame Relay Switch Billing service, referred to as the FRSW_BILLING entity, issues the following event messages. The entity code assigned to FRSW_BILLING events is 66.

Fault Event

Entity Code/Event Code **66/1**

Decimal Identifier **16794113**

Severity: Fault

Message: System error, service attempting restart.

Meaning: FRSW_BILLING experienced a fatal error and is restarting automatically. It will attempt to restart up to five times.

Action: Verify integrity of billing mechanism. Call the Bay Networks Technical Response Center if the problem persists.

Warning Events

Entity Code/Event Code **66/2**

Decimal Identifier **16794114**

Severity: Warning

Message: DLCMI <*dlcmi_no.*>'s L3 net (IP) address is 0.

Meaning: The Level 3 (IP) address of the Frame Relay interface is faulty.

Action: Verify/repair the configuration file as necessary.

Entity Code/Event Code **66/3**

Decimal Identifier **16794115**

Severity: Warning

Message: cct <circuit_no.>: DLCI <*dlci_no.*> VC has no tuple info.

Meaning: The specified VC has no corresponding DLCMI entry in the MIB.

Action: Verify/repair the configuration file as necessary.

Entity Code/Event Code **66/4**

Decimal Identifier **16794116**

Severity: Warning

Message: cct <*circuit_no.*>: DLCI <*dlci_no.*> non-unicast VC matches <*IP_address/dlci_no.*> <-> <*IP_address/dlci_no.*> tuple.

Meaning: FRSW_BILLING found a multicast dlci in the specified switch tuple.

Action: Verify/modify the configuration file to remove the multicast dlci as necessary.

Entity Code/Event Code **66/5**

Decimal Identifier **16794117**

Severity: Warning

Message: Usage file needs <*decimal_value*> bytes. NVFS only has <*decimal_value*> bytes.

Meaning: There is not enough space on the NVFS media to write usage data.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/6**

Decimal Identifier **16794118**

Severity: Warning

Message: Error in mounting <*volume_name*>.

Meaning: FRSW_BILLING encountered an error in mounting the specified volume.

Action: Try using **dinfo** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/7**

Decimal Identifier **16794119**

Severity: Warning

Message: Error in unmounting <*volume_name*>.

Meaning: FRSW_BILLING encountered an error in unmounting the specified volume.

Action: Try using **dinfo** and **dir** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/8**

Decimal Identifier **16794120**

Severity: Warning

Message: Error in writing usage file header: GFS status <*status_code*> wrote <*decimal_value*> bytes, should be <*decimal_value*>.

Meaning: FRSW_BILLING encountered an error in writing the header of an open usage file.

Action: Try using **dinfo** and **dir** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/9**

Decimal Identifier **16794121**

Severity: Warning

Message: Error in writing usage file: wrote <*decimal_value*> records, should be <*decimal_value*>.

Meaning: FRSW_BILLING encountered an error while writing usage records.

Action: Try using **dinfo** and **dir** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/10**

Decimal Identifier **16794122**

Severity: Warning

Message: Can't remove empty <*character_string*> usage file.

Meaning: FRSW_BILLING failed in an attempt to delete an empty usage file, identified by the character string.

Action: Delete the file manually.

Entity Code/Event Code **66/11**

Decimal Identifier **16794123**

Severity: Warning

Message: Error in compacting volume <*volume_no.*>: return GFS status <*status_code*>.

Meaning: FRSW_BILLING was unable to compact a volume.

Action: Compact the volume manually with the Technician Interface; if unable to do so, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/12**

Decimal Identifier **16794124**

Severity: Warning

Message: Could not find a base record, creating one.

Meaning: FRSW_BILLING cannot find billing data in the MIB and will use default values to create the record.

Action: Verify/repair the configuration file if default values are not acceptable.

Entity Code/Event Code **66/13**

Decimal Identifier **16794125**

Severity: Warning

Message: cct <*circuit_no.*>: no DLCMI record found.

Meaning: The specified circuit lacks a corresponding DLCMI MIB record.

Action: Verify/repair the configuration file as necessary.

Entity Code/Event Code **66/14**

Decimal Identifier **16794126**

Severity: Warning

Message: Duplicate IP address: <*IP_address*> claimed by DLCMI <*dlcmi_no.*> and <*dlcmi_no.*>.

Meaning: The specified IP address has been assigned to multiple DLCMI instances.

Action: Verify/repair the configuration file as necessary.

Entity Code/Event Code **66/15**

Decimal Identifier **16794127**

Severity: Warning

Message: Invalid enable flag <*flag_value*> detected - ignored.

Meaning: The Enable parameter has been set to an illegal value, <*flag_value*>. An illegal value is any value other than Disable (2) or Enable (1). This message indicates that the parameter was set through the Technician Interface, as the Site Manager guards against illegal Enable values. FRSW_BILLING will use the default value of Enable.

Action: Repair the configuration by adjusting the value of Enable.

Entity Code/Event Code **66/16**

Decimal Identifier **16794128**

Severity: Warning

Message: Invalid volume number <*volume_no.*> detected - ignored.

Meaning: The File Store Volume parameter has been set to an illegal value, <*volume_no.*>. FRSW_BILLING will use the default value of 2.

Action: Repair the configuration by adjusting the value of File Store Volume.

Entity Code/Event Code **66/17**

Decimal Identifier **16794129**

Severity: Warning

Message: Invalid backup volume number <*volume_no.*> detected - ignored.

Meaning: The File Store Backup parameter has been set to an illegal value, <volume_no.>. FRSW_BILLING will use the default value of 3.

Action: None possible as File Store Backup is not supported by BNX Release 5.xx.

Entity Code/Event Code **66/18**

Decimal Identifier **16794130**

Severity: Warning

Message: Invalid timer interval <*usage_timer_interval*> detected - ignored.

Meaning: The Usage Timer Interval parameter has been set to an illegal value, <*usage_timer_interval*>. The illegal value is outside the allowable parameter range (1 through 5). FRSW_BILLING will use the default value of 1.

Action: Repair the configuration by adjusting the value of Usage Timer Interval.

Entity Code/Event Code **66/19**

Decimal Identifier **16794131**

Severity: Warning

Message: Invalid update interval <*update_interval*> detected - ignored.

Meaning: The Update Interval parameter has been set to an illegal value, <*update_interval*>. The illegal value is either outside the allowable parameter range (1 through 60), or it is not a multiple of the Usage Timer Interval. FRSW_BILLING will use the default value of 10.

Action: Repair the configuration by adjusting the value of Update Interval.

Entity Code/Event Code **66/20**

Decimal Identifier **16794132**

Severity: Warning

Message: Invalid file prefix <*file_prefix_string*> detected - ignored.

Meaning: The File Prefix parameter has been set to an illegal value, <*file_prefix_string*>.

Action: Repair the configuration by adjusting the value of File Prefix.

Entity Code/Event Code **66/21**

Decimal Identifier **16794133**

Severity: Warning

Message: Invalid directory <*directory_string*> detected - ignored.

Meaning: The File Directory parameter has been set to an illegal value, <*directory_string*>.

Action: Repair the configuration by adjusting the value of File Directory.

Entity Code/Event Code **66/22**

Decimal Identifier **16794134**

Severity: Warning

Message: Invalid store interval <*store_interval*> detected - ignored.

Meaning: The Store Interval parameter has been set to an illegal value, <*store_interval*>. The illegal value is outside the acceptable parameter range (1 through 3600). FRSW_BILLING will use the default value of 10.

Action: Repair the configuration by adjusting the value of Store Interval.

Entity Code/Event Code **66/23**

Decimal Identifier **16794135**

Severity: Warning

Message: Invalid flush data interval <*flush_interval*> detected - ignored.

Meaning: The Flush Interval parameter has been set to an illegal value, <*flush_interval*>. The illegal value is outside the acceptable parameter range (1 through 3600). FRSW_BILLING will use the default value of 60.

Action: Repair the configuration by adjusting the value of Flush Interval.

Entity Code/Event Code **66/24**

Decimal Identifier **16794136**

Severity: Warning

Message: Invalid file cleanup interval <*file_cleanup_interval*> detected - ignored.

Meaning: The File Cleanup Interval parameter has been set to an illegal value, <*file_cleanup_interval*>. The illegal value is outside the acceptable parameter range (1 through 7200). FRSW_BILLING will use the default value of 60.

Action: Repair the configuration by adjusting the value of File Cleanup Interval.

Entity Code/Event Code **66/25**

Decimal Identifier **16794137**

Severity: Warning

Message: Invalid debug flag <*flag_value*> detected - ignored.

Meaning: The Debug Information parameter has been set to an illegal value, <*flag_value*>. An illegal value is any value other than Disable (2) or Enable (1). This message indicates that the parameter was set through the Technician Interface, as the Site Manager guards against illegal Debug Information values. FRSW_BILLING will use the default value of Disable.

Action: Repair the configuration by adjusting the value of Debug Information.

Entity Code/Event Code **66/26**

Decimal Identifier **16794138**

Severity: Warning

Message: Error in reading usage file header: GFS status <*status_code*>, read <*decimal_value*> bytes, should be <*decimal_value*>.

Meaning: FRSW_BILLING encountered an error in reading the header of an open usage file.

Action: Try using dinfo and dir to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/27**

Decimal Identifier **16794139**

Severity: Warning

Message: Error in reading usage file: GFS status, read <*decimal_value*> records, should be <*decimal_value*>.

Meaning: FRSW_BILLING encountered an error in reading an open usage file.

Action: Try using dinfo and dir to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/28**

Decimal Identifier **16794140**

Severity: Warning

Message: Error in opening usage file.

Meaning: FRSW_BILLING was unable to open a usage file.

Action: Try using dinfo to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/29**

Decimal Identifier **16794141**

Severity: Warning

Message: Could not read hardware serial id.

Meaning: FRSW_BILLING could not read the hardware serial ID, which is used to create a switch ID for the billing software entity.

Action: This message may indicate a hardware problem on the Parallel Packet Express (PPX); call the Bay Networks Technical Response Center.

Entity Code/Event Code **66/30**

Decimal Identifier **16794142**

Severity: Warning

Message: cct <*circuit_no.*>: VC <*vc_no.*> bad multicast attribute <*attribute_no.*> detected.

Meaning: The specified VC will be deleted because of a faulty multicast attribute.

Action: Verify/repair the configuration record as necessary.

Entity Code/Event Code **66/43**

Decimal Identifier **16794155**

Severity: Warning

Message: tuple not unique: 1st tuple - <*IP_address*> <*dlci_no.*> <-> <*IP_address*> <*dlci_no.*>.

Meaning: FRSW_BILLING has detected a duplicate switch tuple in the MIB.

Action: Verify/repair the tuple configuration records as necessary.

Entity Code/Event Code **66/44**

Decimal Identifier **16794156**

Severity: Warning

Message: tuple not unique: 2nd tuple - *<IP_address> <dlci_no.> <-> <IP_address> <dlci_no.>*.

Meaning: FRSW_BILLING has detected a duplicate switch tuple in the MIB.

Action: Verify/repair the tuple configuration records as necessary.

Info Events

Entity Code/Event Code **66/31**

Decimal Identifier **16794143**

Severity: Info

Message: Service configuration enabled.

Meaning: FRSW_BILLING has been enabled. This event is generated in response to a user-initiated enabling of the Frame Relay billing entity.

Entity Code/Event Code **66/32**

Decimal Identifier **16794144**

Severity: Info

Message: Service configuration disabled.

Meaning: FRSW_BILLING has been disabled. This event is generated in response to a user-initiated disabling of the Frame Relay billing entity.

Entity Code/Event Code **66/33**

Decimal Identifier **16794145**

Severity: Info

Message: Service initializing.

Meaning: FRSW_BILLING is being initialized. This event is generated in response to normal booting of the Frame Relay billing entity.

Entity Code/Event Code **66/34**

Decimal Identifier **16794146**

Severity: Info

Message: *<IP_address> <dlci_no.> <-> <IP_address> <dlci_no.>* tuple config record deleted.

Meaning: The specified tuple record has been deleted. This event is generated in response to a user-initiated deletion of the tuple.

Entity Code/Event Code **66/35**

Decimal Identifier **16794147**

Severity: Info

Message: cct <*circuit_no.*>: DLCMI config record deleted.

Meaning: The DLCMI MIB record has been deleted. This event is generated in response to a user-initiated DLCMI deletion from the MIB.

Entity Code/Event Code **66/36**

Decimal Identifier **16794148**

Severity: Info

Message: cct <*circuit_no.*>: VC <*dlci_no.*> config record deleted.

Meaning: The specified VC has been deleted. This event is generated in response to a user-initiated VC deletion from the MIB.

Trace Events

Entity Code/Event Code **66/37**

Decimal Identifier **16794149**

Severity: Trace

Message: Self map: old 0x<*hex_value*> gh, new gh 0x<*hex_value*>.

Meaning: FRSW_BILLING has triggered certain internal mapping functions. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/38**

Decimal Identifier **16794150**

Severity: Trace

Message: Remote ceased: dead_slots 0x<*hex_value*>.

Meaning: FRSW_BILLING detected the “death” of the specified slot. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/39**

Decimal Identifier **16794151**

Severity: Trace

Message: <*character_string*> object map.

Meaning: FRSW_BILLING has triggered certain internal object mapping function(s). This message is generated in response to normal state changes within the billing software entity.

Entity Code/Event Code **66/40**

Decimal Identifier **16794152**

Severity: Trace

Message: <*character_string*> instance map.

Meaning: FRSW_BILLING has triggered certain internal mapping functions. This message is generated in response to normal state changes within the billing software entity.

Entity Code/Event Code **66/41**

Decimal Identifier **16794153**

Severity: Trace

Message: FRSW Billing MIB instance addition disallowed.

Meaning: FRSW_BILLING has rejected an invalid MIB operation. This message is generated when the billing software entity has prevented an improper MIB operation.

Entity Code/Event Code **66/42**

Decimal Identifier **16794154**

Severity: Trace

Message: No entry for tuple: <*IP_address*> <*dlci_no.*>.

Meaning: FRSW_BILLING is missing some internal tuple table information. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/45**

Decimal Identifier **16794157**

Severity: Trace

Message: Rcvd unknown msg type <*type_value*> from slot <*slot_no.*>.

Meaning: FRSW_BILLING has received an unexpected internal message of the specified type from the specified slot. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/46**

Decimal Identifier **16794158**

Severity: Trace

Message: Error in forwarding message: slot map 0x<*hex_value*>.

Meaning: FRSW_BILLING was unable to forward a message to the specified slot.

Action: This message usually indicates that a slot is not responding; verify that all slots are operational.

Entity Code/Event Code **66/47**

Decimal Identifier **16794159**

Severity: Trace

Message: Missing slot <*slot_no.*> info.

Meaning: FRSW_BILLING is unable to find certain internal slot table information. This message is generated in response to normal state changes within the billing software entity.

Entity Code/Event Code **66/48**

Decimal Identifier **16794160**

Severity: Trace

Message: Rcvd unknown signal: <*decimal_value*>.

Meaning: FRSW_BILLING has received on unexpected signal of the specified type. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/49**

Decimal Identifier **16794161**

Severity: Trace

Message: Unexpected slot number <*slot_no.*> in reply.

Meaning: FRSW_BILLING received an unexpected slot number in an internal message. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/50**

Decimal Identifier **16794162**

Severity: Trace

Message: FlushData already in progress.

Meaning: FRSW_BILLING has received a Flush command, while such an operation is in progress. The billing entity ignores the second command.

Entity Code/Event Code **66/51**

Decimal Identifier **16794163**

Severity: Trace

Message: StoreData already in progress.

Meaning: FRSW_BILLING has received a Store command, while such an operation is in progress. The billing entity ignores the second command.

Entity Code/Event Code **66/52**

Decimal Identifier **16794164**

Severity: Trace

Message: FileCleanUp already in progress.

Meaning: FRSW_BILLING has received a File Clean Up command, while such an operation is in progress. The billing entity ignores the second command.

Entity Code/Event Code **66/53**

Decimal Identifier **16794165**

Severity: Trace

Message: UpdateData already in progress.

Meaning: FRSW_BILLING has received an Update command, while such an operation is in progress. The billing entity ignores the second command.

Entity Code/Event Code **66/54**

Decimal Identifier **16794166**

Severity: Trace

Message: Unexpected msg rcvd on non-master slot <*slot_no.*>.

Meaning: FRSW_BILLING received an unexpected internal message. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/55**

Decimal Identifier **16794167**

Severity: Trace

Message: Unexpected usage record <*IP_address*> DLCI <*dlci_no.*>.

Meaning: FRSW_BILLING found an unexpected usage record.

Action: Verify configuration records and check for new provisioning operations.

Entity Code/Event Code **66/56**

Decimal Identifier **16794168**

Severity: Trace

Message: Missing slot <*slot_no.*> info in tbl.

Meaning: FRSW_BILLING is unable to find certain internal slot table information. This message is generated in response to recoverable state changes within the billing software entity.

Entity Code/Event Code **66/57**

Decimal Identifier **16794169**

Severity: Trace

Message: Usage record <*IP_address*> DLCI <*dlci_no.*> has no VC record.

Meaning: FRSW_BILLING found a usage record which lacked a corresponding VC record.

Action: Verify/repair the configuration record as necessary.

Entity Code/Event Code **66/58**

Decimal Identifier **16794170**

Severity: Trace

Message: Usage record <*IP_address*> DLCI <*dlci_no.*> has no billing record.

Meaning: FRSW_BILLING detected inconsistent internal table information.

Action: Verify configuration records and check for new provisioning operations.

Entity Code/Event Code **66/59**

Decimal Identifier **16794171**

Severity: Trace

Message: Usage record <*IP_address*> DLCI <*dlci_no.*> has no tbl entry.

Meaning: FRSW_BILLING detected inconsistent internal table information.

Action: Verify configuration records and check for new provisioning operations.

Entity Code/Event Code **66/101**

Decimal Identifier **16794213**

Severity: Trace

Message: Ignoring info in usage file <*filename*> due to bad version field - expect <*expected_value*>, got <*obtained_value*>.

Meaning: During fault recovery procedures (triggered by a system fault or by a BNX reboot), FRSW_BILLING, while trying to recover usage data from the NVFS, found an unexpected value (any value other than 7) in the Version field of the specified usage file.

Action: Verify the values of the File Prefix and Usage Volume billing parameters.

FRSW_ISDN Events

The Frame Relay Switch Integrated Services Digital Network service, referred to as the FRSW_ISDN entity, issues the following event messages. The entity code assigned to FRSW_ISDN events is 107.

Fault Event

Entity Code/Event Code **107/1**

Decimal Identifier **16806145**

Severity: Fault

Message: System error, service attempting restart.

Meaning: FRSW_ISDN experienced a fatal error and is restarting automatically. It will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if the problem persists.

Warning Events

Entity Code/Event Code **107/2**

Decimal Identifier **16806146**

Severity: Warning

Message: No Base MIB Record, using DNIS Association.

Meaning: You have not specified a call association type for this slot. The call association type can be either the Dialed Number Identification service (DNIS) or the Automatic Number Identification service (ANI). As a result, the BNX platform uses DNIS as the default call association type for this slot.

Action: If you want to use DNIS as the call association type, no action is necessary. However, if you want to use ANI, you must define the call association type. You can do this using the FRSW ISDN Call Association Type Configuration window in Site Manager. From the Configuration Manager window, select Dialup FRSW→Call Profile→Association Type.

Entity Code/Event Code **107/3**

Decimal Identifier **16806147**

Severity: Warning

Message: Deleting <Assoc | Base | Uni> MIB Record.

Meaning: You tried to create a FRSW ISDN MIB object but accidentally set the Delete or Create attribute to Deleted.

Action: Try to create the object again.

Entity Code/Event Code **107/4**

Decimal Identifier **16806148**

Severity: Warning

Message: <CCTOPTS_CNGC | CCTOPTS> Record Missing for CCT <*circuit_no.*>.

Meaning: There is no Circuit Opts entry (wfCctOptsEntry) or no Congestion Control Opts entry (wfCctOptsCngcEntry) for this circuit.

Action: Create the missing entry for the circuit.

Entity Code/Event Code **107/5**

Decimal Identifier **16806149**

Severity: Warning

Message: No DNIS provided by ISDN Network; Required for DNIS Association.

Meaning: The call association type for this slot is DNIS; however, the ISDN call setup request did not include a called party number. The BNX platform rejected the call.

Action: Contact your ISDN service provider to determine why the call setup request did not include the DNIS.

Entity Code/Event Code **107/ 6**

Decimal Identifier **16806150**

Severity: Warning

Message: No ANI provided by ISDN Network; Required for ANI Association.

Meaning: The call association type for this slot is set to ANI; however, the ISDN call setup request did not include a calling party number. The BNX platform rejected the call.

Action: You can either change the call association type to DNIS, or contact your ISDN service provider to determine why the call setup request did not include the ANI.

Entity Code/Event Code **107/ 7**

Decimal Identifier **16806151**

Severity: Warning

Message: Screening enabled for Phone Number <*phone_no.*>, but no screening Phone Number provided by ISDN Network.

Meaning: You enabled screening for this associated phone number, but ISDN did not provide the appropriate number to use for screening (either the called party number or the calling party number).

Action: You can either disable screening for this phone number, or contact your ISDN service provider to determine why this number is not provided.

Entity Code/Event Code **107/ 8**

Decimal Identifier **16806152**

Severity: Warning

Message: No DLCMI Record for CCT <*circuit_no*>.

Meaning: No DLCMI record (wfFrSwDlcmiEntry) exists for this circuit.

Action: Create the DLCMI record for this circuit.

Entity Code/Event Code **107/9**

Decimal Identifier **16806153**

Severity: Warning

Message: Failed to establish FRSW CCT <*circuit_no.*>.

Meaning: The circuit cannot be established. This can occur if the DLCMI record is missing or there is no Circuit Opts entry or Congestion Control Opts entry for this circuit.

Action: Review the log to determine the type of configuration information that is missing.

Entity Code/Event Code **107/ 11**

Decimal Identifier **16806155**

Severity: Warning

Message: No FRSW CCT Record for Index <*index_value*>.

Meaning: The internal wfFrSwIsdnUniEntry table is empty.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **107/ 12**

Decimal Identifier **16806156**

Severity: Warning

Message: No Screen Record for Index <*index_value*>.

Meaning: The internal wfFrSwIsdnScrnEntry table is empty.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **107/ 13**

Decimal Identifier **16806157**

Severity: Warning

Message: Network sent Phone Number <*phone_no.*> of Length <*no._of_digits*>. Truncating to 15 digits.

Meaning: The ISDN sent a phone number (either a called party or calling party number) that exceeded 15 digits. The BNX platform truncated that number to the valid maximum length of 15 digits.

Info Events

Entity Code/Event Code **107/14**

Decimal Identifier **16806158**

Severity: Info

Message: FRSW/ISDN Service Initializing.

Meaning: FRSW ISDN has been configured on this slot and is in the process of initializing.

Entity Code/Event Code **107/15**

Decimal Identifier **16806159**

Severity: Info

Message: FRSW/ISDN Initialization Complete.

Meaning: The initialization of FRSW ISDN on this slot is complete.

Entity Code/Event Code **107/ 16**

Decimal Identifier **16806160**

Severity: Info

Message: No Index Associated with Phone Number <*phone_no*>.

Meaning: The associated number (either the called party or calling party number) from the call setup request does not exist in the call association table.

Action: Add the number to your call association table. For information, see *Configuring Frame Relay over ISDN (BNX Software).*

Entity Code/Event Code **107/ 17**

Decimal Identifier **16806161**

Severity: Info

Message: Screening failed for Phone Number <*phone_no.*>.

Meaning: The number provided for screening does not exist in the screening table.

Entity Code/Event Code **107/18**

Decimal Identifier **16806162**

Severity: Info

Message: Hunt Group for Index <*index_no.*> full.

Meaning: All circuits in the hunt group associated with the incoming call's phone number (either the called party or calling party number) are busy.

Entity Code/Event Code **107/ 19**

Decimal Identifier **16806164**

Severity: Info

Message: Incoming Call accepted for CCT <*circuit_no.*>.

Meaning: The BNX platform has accepted this call. In other words, a circuit is available for this phone number, and the phone number passed screening (if call screening is enabled).

Entity Code/Event Code **107/20**

Decimal Identifier **16806165**

Severity: Info

Message: No available line for CCT <*circuit_no.*> in Pool <*demand_pool_ID*>.

Meaning: The BNX platform accepted a call, however the connection was terminated because the call specified a circuit whose demand pool ID had no available B channels.

Entity Code/Event Code **107/ 21**

Decimal Identifier **16806166**

Severity: Info

Message: Established FRSW CCT <*circuit_no.*>.

Meaning: The BNX platform has created a FRSW circuit. An incoming call has been correctly and completely accepted.

Entity Code/Event Code **107/ 22**

Decimal Identifier **16806167**

Severity: Info

Message: <Assoc | Base | Uni | Screen> MIB Record created.

Meaning: A create or delete attribute was set to Created.

Entity Code/Event Code **107/ 23**

Decimal Identifier **16806168**

Severity: Info

Message: <Assoc | Base | Uni | Screen> MIB Record deleted.

Meaning: A Create or delete attribute was set to Deleted.

Entity Code/Event Code **107/ 24**

Decimal Identifier **16806169**

Severity: Info

Message: <Assoc | Base> MIB Record modified.

Meaning: An attribute in the corresponding MIB object was modified.

Entity Code/Event Code **107/ 25**

Decimal Identifier **16806170**

Severity: Info

Message: Terminating FRSW CCT <*circuit_no.*>.

Meaning: The FRSW user-network interface (UNI) is terminating. This occurs when a FRSW over ISDN call is torn down by any of the call teardown mechanisms.

Entity Code/Event Code **107/26**

Decimal Identifier **16806171**

Severity: Info

Message: CCT <*circuit_no.*> transitioned to the OFFLINE State.

Meaning: A FRSW ISDN circuit is no longer busy and is now available.

Entity Code/Event Code **107/ 27**

Decimal Identifier **16806172**

Severity: Info

Message: CCT <*circuit_no.*> transitioned to the ONLINE State.

Meaning: A FRSW ISDN circuit is now busy or unavailable.

Chapter 5
Event Messages (FS through LOADER)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from FS through LOADER. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

FS Events

The File System service, referred to as the FS entity, issues the following event messages. The entity code assigned to FS events is 64.

Fault Event

Entity Code/Event Code	**64/1**
Decimal Identifier	**16793601**
Severity:	Fault
Message:	System error, service attempting restart
Meaning:	File System experienced a fatal error and is restarting automatically. File System will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if File System fails to restart.

FTP Events

The File Transfer Protocol (FTP) service, referred to as the Distance Vector Multicast Routing Protocol (DVMRP) entity, issues the following event messages. The entity code assigned to FTP events is 88.

Fault Event

Entity Code/Event Code **88/1**

Decimal Identifier **16799745**

Severity: Fault

Message: System Error, service attempting restart

Meaning: FTP experienced the fatal error <*fatal_error_message*> and is restarting automatically. FTP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if FTP fails to restart.

Entity Code/Event Code **88/2**

Decimal Identifier **16799746**

Severity: Fault

Message: Error in opening a TCP connection for listening

Meaning: The FTP server failed to open a TCP connection to listen to incoming connection requests.

Action: Verify the configuration; check the log file.

Entity Code/Event Code **88/3**

Decimal Identifier **16799747**

Severity: Fault

Message: Error while receiving a TCP message buffer

Meaning: The FTP server failed while processing the received TCP messages in the IP data stream.

Action: Verify the configuration; check the log file.

Entity Code/Event Code **88/4**

Decimal Identifier **16799748**

Severity: Fault

Message: Error <*error_type*> in transmitting TCP buffer to the client

Meaning: The FTP server failed to transmit the TCP data to the client.

Action: Verify the configuration; check the log file.

Warning Event

Entity Code/Event Code **88/56**

Decimal Identifier **16799800**

Severity: Warning (BNX only)

Message: <*decimal_value*> lost on slot <*slot_no.*> because of log wrap during log aggregation.

Meaning: Some number of log events <*decimal_value*> associated with <*slot_no.*> were missed while aggregating the distributed log during a SAVE LOG operation. Log aggregation proceeds.

Info Events

Entity Code/Event Code **88/5**

Decimal Identifier **16799749**

Severity: Info

Message: wfFTP is initializing.

Meaning: The FTP subsystem is loaded and initialized.

Entity Code/Event Code **88/6**

Decimal Identifier **16799750**

Severity: Info

Message: FTP server daemon up/listening

Meaning: The FTP server has opened a connection to listen to the incoming client's connect requests.

Entity Code/Event Code **88/7**

Decimal Identifier **16799751**

Severity: Info

Message: FTP server daemon rejected the connection request.

Meaning: The FTP server has rejected the client's connection request because there are too many existing connections.

Entity Code/Event Code **88/8**

Decimal Identifier **16799752**

Severity: Info

Message: Successful login from remote client <*IP_address*>, for <*char_string*> account

Meaning: The FTP server successfully logged in a client from the specified address for the specified account.

Entity Code/Event Code **88/29**

Decimal Identifier **16799773**

Severity: Info

Message: WfFTP Data Server <*no.*> is initializing

Meaning: The FTP server on the router is initializing

Entity Code/Event Code **88/30**

Decimal Identifier **16799774**

Severity: Info

Message: WfFTP DATARECV gate <*no.*> terminated abnormally

Meaning: The FTP receive gate aborted.

Entity Code/Event Code **88/31**

Decimal Identifier **16799775**

Severity: Info

Message: WfFTP DATAXMIT gate <*no.*> terminated abnormally.

Meaning: The FTP transmit gate aborted.

Entity Code/Event Code **88/56**

Decimal Identifier **16799800**

Severity: Info (Routers only)

Message: <*decimal_value*> lost on slot <*slot_no.*> because of log wrap during log aggregation.

Meaning: Some number of log events <*decimal_value*> associated with <*slot_no.*> were missed while aggregating the distributed log during a SAVE LOG operation.

Trace Events

Entity Code/Event Code **88/9**

Decimal Identifier **16799753**

Severity: Trace

Message: FTP client logged in with <*char_string*> account attempted to write on <*char_string*>.

Meaning: An FTP client logged into the specified account.

Action: Use this message to determine if an access violation has occurred.

Entity Code/Event Code **88/10**

Decimal Identifier **16799754**

Severity: Trace

Message: FTP default volume — <*volume_no.*> — is invalid.

Meaning: The client has specified a volume that is not valid.

Action: Use this message to determine the invalid volume number.

GAME Events

The Gate Access Management Entity (GAME) operating system issues the following event messages. The entity code assigned to GAME events is 5.

Fault Events

Entity Code/Event Code **5/1**

Decimal Identifier **16778497**

Severity: Fault

Message: System error, service attempting restart

Meaning: An entity on a slot experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Examine the log for other events indicating the cause of the error. Call the Bay Networks Technical Response Center if the event is unexpected or if the entity fails to restart.

Entity Code/Event Code **5/2**

Decimal Identifier **16778498**

Severity: Fault

Message: Service terminated due to excessive failures

Meaning: An entity experienced an excessive number of fault events within a short period of time. GAME will not restart the entity.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/3**

Decimal Identifier **16778499**

Severity: Fault

Message: Out of memory

Meaning: GAME ran out of memory. The slot restarts automatically.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/4**

Decimal Identifier **16778500**

Severity: Fault

Message: System error, all services attempting restart

Meaning: GAME detected a fatal system error. All configured entities restart automatically when the condition clears.

Action: Hot-swap the board if the restart does not succeed within one minute.

Entity Code/Event Code **5/59**

Decimal Identifier **16778555**

Severity: Fault

Message: System restart

Meaning: GAME detected a fatal system error. GAME and the other entities restart automatically when the condition clears.

Action: Hot swap the board if the restart does not succeed within one minute.

Entity Code/Event Code **5/80**

Decimal Identifier **16778576**

Severity: Fault

Message: Insufficient memory to continue => GAME restarts

Meaning: GAME ran out of memory. The slot restarts automatically.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/111**

Decimal Identifier **16778607**

Severity: Fault

Message: Scheduler exited due to orphaned buffer. Last gate gid = <*gate_ID*> @ <*activation_address*> buf=<*buffer_address*>

Meaning: The internal scheduler stopped because of a programming error. The scheduler automatically restarts. No services stop.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/123**

Decimal Identifier **16778619**

Severity: Fault

Message: Watchdog expired, service terminating

Meaning: A watchdog facility times the continuous execution of each software task (and GAME). After a preset time (usually 3 to 6 seconds), the task is terminated and, typically, subsequently restarted.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/126**

Decimal Identifier **16778622**

Severity: Fault

Message: System fan module failure, one or more fans not operating properly

Meaning: One or more of the fans in the BCN is operating at a slower speed than it should, or has stopped.

Action: Hot-swap the fan tray immediately to prevent overheating.

Entity Code/Event Code **5/127**

Decimal Identifier **16778623**

Severity: Fault

Message: System temperature has risen into cautionary range

Meaning: The BCN is overheating.

Action: View the event log or trap monitor. Hot-swap the fan tray immediately to prevent overheating if a System fan module failure event was generated. Return the fan tray to Bay Networks for service.

Entity Code/Event Code **5/128**

Decimal Identifier **16778624**

Severity: Fault

Message: Power Supply <*power_module_slot_no.*> has failed

Meaning: The 620-watt hot-swap power module in the slot indicated is not operational. The power module slots are numbered 1 through 4 from the bottom of the BCN to the top. This event is generated by the BCN only.

Action: Hot-swap the power module. Return the power module to Bay Networks for service.

Entity Code/Event Code **5/134**

Decimal Identifier **16778630**

Severity: Fault

Message: Tag violation <*device_code*> (0=RFR/1=BB/2=CPU/3=LNK) accessed <*protection_level_no.*> (0=NA/1=RW/2=RO/3=RE)

Meaning: The memory access cycle indicated by the <*device_code*> violated the memory protection level indicated by the <*protection_level_no.*>. The operating system running on the slot reboots itself after generating this message.

The <*device_code*> is one of the following: 0 = memory refresh, 1 = backbone, 2 = CPU software, and 3 = link module.

The <*protection_level_no.*> is one of the following: 0 = not accessible, 1 = read/write, 2 = read only, and 3 = read/execute.

Action: Report the event to the Bay Networks Technical Response Center.

Entity Code/Event Code **5/135**

Decimal Identifier **16778631**

Severity: Fault

Message: Parity violation detected, fatal error

Meaning: GAME detected a hardware memory parity error. The operating system running on the slot reboots itself after generating this message. Repeated occurrences of this event indicate a bad processor board.

Action: Report the event to the Bay Networks Technical Response Center if it occurs repeatedly.

Entity Code/Event Code **5/162**

Decimal Identifier **16778658**

Severity: Fault

Message: RESET system call attempts to restart

Meaning: GAME is attempting to reset the slot due to an operator action.

Entity Code/Event Code **5/163**

Decimal Identifier **16778659**

Severity: Fault

Message: Error in <*source_code_filename*> at line <*line_no.*>

Meaning: GAME is verifying system-wide and application-specific databases. GAME reports any unrepairable discrepancies using this event. Typically, a gate detecting an error is terminated and subsequently restarted, but errors detected in system-wide databases cause GAME to restart.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/164**

Decimal Identifier **16778660**

Severity: Fault

Message: Error: exception vector <*vector_no.*> - <*description*>

Meaning: GAME detected an unexpected hardware interrupt, typically a bus error.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/217**

Decimal Identifier **16778713**

Severity: Fault

Message: Parity violation <*source_ identifier_ no.*> detected

Meaning: GAME detected a parity violation from one of the following sources:

0	A link module (any)
1	The router or BNX platform backplane
2	The FRE2 CPU
3	Invalid (GAME ignores this parity violation.)

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/222**

Decimal Identifier **16778718**

Severity: Fault

Message: Tag violation CPU accessed <*protection_level_no.*> (0=NA/1RW/2=RO...) memory at addr <*hex_value*>

Meaning: The CPU has accessed memory that it's not supposed to access. The operating system reboots itself after generating this message.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/223**

Decimal Identifier **16778719**

Severity: Fault

Message: Tag violation NETMOD = <*network_module_ID*> accessed <*protection_level_no.*> (0=NA/1RW/2=RO...) memory at addr <*hex_value*>

Meaning: The network module specified by <*network_module_ID*> accessed memory that it's not supposed to access. The operating system running on the slot reboots itself after generating this message.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/224**

Decimal Identifier **16778720**

Severity: Fault

Message: Parity/Slave violation detected, add <*hex_value*> by NETMOD <*network_module_ID*> (0=CPU), fatal error.

Meaning: GAME detected a parity error in memory at addr <*hex_value*> while it was being accessed by the network module specified by <*network_module_ID*>. The operating system running on the module reboots itself after generating this message.

Action: Report the event to the Bay Networks Technical Response Center if it occurs repeatedly.

Entity Code/Event Code **5/225**

Decimal Identifier **16778721**

Severity: Fault

Message: Nonexistent memory addr= <*hex_value*> accessed by NETMOD <*network_module_ID*> (0=CPU), fatal error. The operating system running on the slot reboots itself after generating this message.

Meaning: An access was made to memory that does not exist.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/226**

Decimal Identifier **16778722**

Severity: Fault

Message: Unknown Mem Error reg + <*hex_value*> accessed by NETMOD <*network_module_ID*> (0=CPU), fatal error.

Meaning: For unknown reasons, a memory error occurred. The operating system running on the slot reboots itself after generating this message.

Action: Call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/231**

Decimal Identifier **16778727**

Severity: Fault

Message: Backbone cable integrity lost, check cables, terminators and power switches

Meaning: One of the cables that makes up the ASN's backbone has been disconnected, or one of the ASNs has been powered off.

Action: Check the cables, terminators and power switches. If all the cables and terminators are intact and all the power switches are on, call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/239**

Decimal Identifier **16778735**

Severity: Fault

Message: Memory error detected - <"Write violation" | "Tag violation" | "Extended address access" | "Parity"> <*register_of_memory_error_contents*>

Meaning: If the message contains the word "Parity" error, the cause of the error is most likely a hardware problem that requires a board replacement. Other errors most likely indicate a software problem.

Action: Report this error message to the Bay Networks Technical Response Center.

Entity Code/Event Code **5/240**

Decimal Identifier **16778736**

Severity: Fault

Message: <*error_message*> VBM error detected (<*error_bits*>)

Meaning: A memory error occurred.

Action: Report this error message to the Bay Networks Technical Response Center.

Warning Events

Entity Code/Event Code **5/7**

Decimal Identifier **16778503**

Severity: Warning

Message: BackBone <*PPX_rail_no.*> became disconnected

Meaning: The specified PPX (Parallel Packet Express) rail (channel) is no longer in service. This event occurs as follows:

- When a single processor (slot) reports one or more of these events, it may have run out of buffer space. The "BackBone <*PPX_rail_no.*> became re-connected" Info event message indicates that the condition is cleared. If the condition does not clear, as indicated by this message, within several seconds, the error may have been caused by a hardware failure. Hot-swap the FRE module on the slot indicated.
- When all processors report this event for both Backbones 0 and 1, and do not report "BackBone <*PPX_rail_no.*> became re-connected" for both backbones within several seconds, the event indicates that an SRM-F failed or has been removed. Replace the SRM-F.
- When all processors report this event for Backbone 0 or 1 (but not both), and do not report "BackBone <*PPX_rail_no.*> became re-connected" within several seconds, the event indicates an SRM-F hardware error occurred. Hot-swap the SRM-F.
- When all processors report this event for both Backbones 2 and 3, and do not report "BackBone <*PPX_rail_no.*> became re-connected" for both backbones within several seconds, the event indicates that an SRM-L failed or has been removed. Replace the SRM-L.
- When all processors report this event for Backbone 2 or 3 (but not both), and do not report "BackBone <*PPX_rail_no.*> became re-connected" within several seconds, the event indicates that an SRM-L hardware error occurred. Hot-swap the SRM-L.

Action: Refer to the items that follow the meaning for the correct action to take.

Entity Code/Event Code **5/8**

Decimal Identifier **16778505**

Severity: Warning

Message: Slot <*slot_no.*> became disconnected

Meaning: The specified slot is no longer in service. This event occurs as follows:

- When all surviving processors report this event for the same slot, the event indicates that you issued the **reset** <*slot_no.*> command, you hot-swapped a FRE module on the slot indicated, or a total GAME failure occurred on the slot indicated.
- The "Slot <*slot_no.*> became re-connected" Info event occurs after the FRE processor boots and initiates entities. Hot-swap the FRE module if it fails to re-connect within one minute.
- When all surviving processors report this event for the same slot, and the "Slot <*slot_no.*> became re-connected" Info event does not occur, the event indicates that a FRE module failed or has been removed. Replace the FRE module.

Action: Refer to the items that follow the meaning for the correct action to take.

Entity Code/Event Code **5/9**

Decimal Identifier **16778505**

Severity: Warning (BNX only)

Message: BackBone <*PPX_rail_no.*> became re-connected

Meaning: The specified PPX (Parallel Packet Express) rail (channel) is in service.

Entity Code/Event Code **5/10**

Decimal Identifier **16778506**

Severity: Warning (BNX only)

Message: Slot <*slot_no.*> became re-connected

Meaning: The specified slot is in service.

Entity Code/Event Code **5/70**

Decimal Identifier **16778566**

Severity: Warning

Message: BackBone noted CRC or FIFO overflow (crc=<*no.*>, ovfl=<*no.*>)

Meaning: The router or BNX platform hardware failed to transmit a buffer between slots. The cause of the problem may be a faulty hardware module.

Action: Contact the Bay Networks Technical Response Center.

Entity Code/Event Code **5/211**

Decimal Identifier **16778707**

Severity: Warning

Message: KERNEL CONFIGURATION ERROR: <*error message*>

Meaning: An attempt to reconfigure a GAME kernel parameter failed due to an illegal value.

Action: Reconfigure the parameter with a proper value.

Entity Code/Event Code **5/212**

Decimal Identifier **16778708**

Severity: Warning

Message: Configured global memory size <*KB*> and NOVRAM value <*KB*> conflict.

Meaning: The slot's global memory size found in NOVRAM does not match the value found in the configuration file used to boot the slot.

Action: If the requested global memory size is the value found in the configuration file, reset the global memory size in NOVRAM to that value and restart the slot.

If the NOVRAM value is correct, the slot is already running GAME with the requested global memory size. To remove this message from future reboots, delete the kernel configuration object for the slot in question, save the new configuration to a file, and use the new file to reboot the system.

Entity Code/Event Code **5/218**

Decimal Identifier **16778714**

Severity: Warning

Message: Errors reading RTC – date/time may be incorrect.

Meaning: GAME detected an error while reading the router's or BNX platform's Real Time Clock (RTC). This affects only time-stamping functions of the router pr BNX software. For example, the time stamp indicated on event log entries may be incorrect. The router or BNX platform otherwise continues to function normally.

Action: Reset the router's or BNX platform's date and time. If this action fails to correct the problem, or if the problem recurs when you power the router or BNX platform off, then on, call the Bay Networks Technical Response Center to report the error message.

Entity Code/Event Code **5/227**

Decimal Identifier **16778723**

Severity: Warning

Message: Bad checksum hsn_prom image. addr = <*hex_value*> expected <*checksum_value_1*> actual <*checksum_value_2*>

Meaning: GAME detected a bad checksum value on the History Serial Number (HSN) PROM.

Action: Call the Bay Networks Technical Response Center to report the error message.

Info Events

Entity Code/Event Code **5/9**

Decimal Identifier **16778505**

Severity: Info (Routers only)

Message: BackBone <*PPX_rail_no.*> became re-connected

Meaning: The specified PPX (Parallel Packet Express) rail (channel) is in service.

Entity Code/Event Code **5/10**

Decimal Identifier **16778506**

Severity: Info (Routers only)

Message: Slot <*slot_no.*> became re-connected

Meaning: The specified slot is in service.

Entity Code/Event Code **5/11**

Decimal Identifier **16778507**

Severity: Info

Message: Starting image <*release_ID*> <*time_stamp*>

Meaning: GAME is initializing with the image specified by the release ID at the date and time indicated.

Entity Code/Event Code **5/129**

Decimal Identifier **16778625**

Severity: Info

Message: System fans operating properly

Meaning: The fans in the BCN are operating within normal limits.

Entity Code/Event Code **5/130**

Decimal Identifier **16778626**

Severity: Info

Message: System temperature is in normal operating range

Meaning: The temperature of the BCN is normal.

Entity Code/Event Code **5/131**

Decimal Identifier **16778627**

Severity: Info

Message: Power Supply <*power_module_slot_no.*> is operational

Meaning: The 620-watt hot-swap power module in the slot indicated is operational. The power module slots are numbered 1 through 4 from the bottom of the BCN to the top.

Entity Code/Event Code **5/132**

Decimal Identifier **16778628**

Severity: Info

Message: Power Supply <*power_module_slot_no.*> has been removed

Meaning: The power module slot indicated is not equipped with a 620-watt hot-swap power module. The power module slots are numbered 1 through 4 from the bottom of the BCN to the top. This event is generated by the BCN only.

Trace Events

All trace events issued by GAME appear in response to entity or GAME reinitializations. These events are for Bay Networks internal use only.

HSSI Events

The High Speed Serial Interface (HSSI) issues the following event messages. The entity code assigned to HSSI events is 27.

Fault Event

Entity Code/Event Code	**27/1**
Decimal Identifier	**16784129**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	The HSSI driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the HSSI driver fails to restart.

Warning Events

Entity Code/Event Code	**27/2**
Decimal Identifier	**16784130**
Severity:	Warning
Message:	Connector HSSI<*connector_no.*> transmitter timeout.
Meaning:	HSSI has not received a BofL (“Breath of Life”) transmission on the connector identified by <*connector_no.*> within the time specified by the BofL timeout timer.
Action:	None may be required, because HSSI will attempt to restart the connection. If you can’t restart the connection, verify the integrity of the remote peer and configuration of the remote peer for BofL.

Entity Code/Event Code **27/3**

Decimal Identifier **16784131**

Severity: Warning

Message: Connector HSSI<*connector_no.*> receiver timeout.

Meaning: HSSI has not received a response to a BofL transmission (sent over the connector identified by <*connector_no.*>) within the time specified by the BofL timeout timer.

Action: None may be required, because HSSI will attempt to restart the connection. If you can't restart the connection, verify the integrity of the remote peer and configuration of the remote peer for BofL.

Entity Code/Event Code **27/4**

Decimal Identifier **16784132**

Severity: Warning

Message: Connector HSSI<*connector_no.*> Data Comms Equipment (DCE) unavailable (lost CA).

Meaning: The DCE-generated CA (Communications Equipment Available) signal has been lost.

Action: Verify the cable connection and the cable integrity. Verify the integrity of the associated DTE equipment.

Entity Code/Event Code **27/5**

Decimal Identifier **16784133**

Severity: Warning

Message: Connector HSSI<*connector_no.*> diagnostic failed.

Meaning: The HSSI connector identified by <*connector_no.*> failed powerup diagnostics and has been disabled.

Action: Verify the integrity of the HSSI link module.

Entity Code/Event Code **27/6**

Decimal Identifier **16784134**

Severity: Warning

Message: Connector HSSI<*connector_no.*> out of range.

Meaning: The HSSI connector identified by <*connector_no.*> is invalid (a value other than 1) and will be ignored.

Action: Modify the HSSI configuration to reflect a connector number of 1.

Note: *This message should not be seen if you configured HSSI using Site Manager, because Site Manager rejects invalid connector identification.*

Entity Code/Event Code **27/7**

Decimal Identifier **16784135**

Severity: Warning

Message: Connector HSSI<*connector_no.*> not verified with diagnostic.

Meaning: The HSSI connector identified by <*connector_no.*> has been placed in service. However, powerup diagnostics aborted and did not verify the integrity of the connector.

Action: Rerun powerup diagnostics if you wish to ensure the integrity of the HSSI link module.

Entity Code/Event Code **27/9**

Decimal Identifier **16784137**

Severity: Warning (BNX only)

Message: Connector HSSI<*connector_no.*> disabled.

Meaning: The HSSI connector identified by <*connector_no.*> has been disabled.

Entity Code/Event Code **27/10**

Decimal Identifier **16784138**

Severity: Warning (BNX only)

Message: Connector HSSI<*connector_no.*> enabled.

Meaning: The HSSI connector identified by <*connector_no.*> has been enabled.

Info Events

Entity Code/Event Code **27/8**

Decimal Identifier **16784136**

Severity: Info

Message: Service initializing.

Meaning: HSSI is initializing.

Entity Code/Event Code **27/9**

Decimal Identifier **16784137**

Severity: Info (Routers only)

Message: Connector HSSI<*connector_no.*> disabled.

Meaning: The HSSI connector identified by <*connector_no.*> has been disabled.

Entity Code/Event Code **27/10**

Decimal Identifier **16784138**

Severity: Info (Routers only)

Message: Connector HSSI<*connector_no.*> enabled.

Meaning: The HSSI connector identified by <*connector_no.*> has been enabled.

Entity Code/Event Code **27/11**

Decimal Identifier **16784139**

Severity: Info

Message: Connector HSSI<*connector_no.*> configuration deleted.

Meaning: The HSSI record for the connector identified by <*connector_no.*> has been deleted.

Entity Code/Event Code **27/12**

Decimal Identifier **16784140**

Severity: Info

Message: Connector HSSI<*connector_no.*> providing LLC1 service.

Meaning: The HSSI connector identified by <*connector_no.*> is enabled and providing LLC1 service.

Entity Code/Event Code **27/13**

Decimal Identifier **16784141**

Severity: Info

Message: Connector HSSI<*connector_no.*> LLC1 service withdrawn.

Meaning: The HSSI connector identified by <*connector_no.*> has ceased providing LLC1 service.

HUB Events

The Access Node Hub (ANH) repeater service, referred to as the HUB entity, issues the following event messages. The entity code assigned to HUB events is 71.

Fault Events

Entity Code/Event Code **71/1**

Decimal Identifier **16795393**

Severity: Fault

Message: Driver Failure, attempting restart.

Meaning: The repeater (hub) driver experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the driver fails to restart.

Entity Code/Event Code **71/2**

Decimal Identifier **16795394**

Severity: Fault

Message: HIMIB<*no.*> - IMR Interface error.

Meaning: This Event only occurs following a *HIMIB<no.> - IMR Communication failure detected* Warning event (Entity/Event Code 71/16), indicating that an attempt to re-establish communication between the two repeater devices has failed. This fault triggers the repeater driver to attempt to recover by resetting.

Action: Call the Bay Networks Technical Response Center if this sequence of events persists. It may be necessary to replace the repeater hardware.

Warning Events

Entity Code/Event Code **71/16**

Decimal Identifier **16795414**

Severity: Warning

Message: HIMIB<*no.*> - IMR Communication failure detected.

Meaning: A communication failure between the indicated pair of repeater devices was detected. This event will be followed by one of 2 other Events:

- *HIMIB<no.> - IMR Communication Re-established* (Fault Entity/Event Code 71/15), indicating that this was a temporary condition.
- *HIMIB<no.> - IMR Interface error* (Entity/Event Code 71/2), indicating that the problem has not recovered.

Entity Code/Event Code **71/19**

Decimal Identifier **16795417**

Severity: Warning

Message: Rptr Driver configured on unsupported Module: <*Module name*> - Driver going dormant.

Meaning: Either the repeater driver attempted to load on a non-hub AN model, or there is a hardware problem with the ANH repeater. The repeater driver can only be configured on an Access Node Hub (8-Port ANH or 12-Port ANH). If the driver attempts to load on any other AN, the router frees all resources allocated to the repeater driver after displaying this message. If this event occurs on an ANH, the repeater daughtercard may not be seated properly in its connector.

Action: For an AN without repeater support, correct the configuration.

For any ANH, verify that the repeater daughtercard is properly installed. Call the Bay Networks Technical Response Center if the failure persists.

Info Events

Entity Code/Event Code **71/3**

Decimal Identifier **16795395**

Severity: Information

Message: Service initializing

Meaning: Repeater service is initializing.

Entity Code/Event Code **71/4**

Decimal Identifier **16795396**

Severity: Information

Message: Rptr Port Partition <*port_number*> Status Change: <*status*>

Meaning: A repeater port is automatically partitioned by the hardware if it encounters excessive collisions. This event status indicates that the specified repeater port was PARTITIONED or a previously partitioned port was RECONNECTED. Repeater Port numbers are 1 through 8 in the 8-Port ANH or 1 through 12 in the 12-Port ANH.

Entity Code/Event Code **71/5**

Decimal Identifier **16795397**

Severity: Information

Message: Rptr Port <*port _number*> Link Test Status Change: <*status*>

Meaning: Either a 10Base-T connection has been made to the specified port (Link Test PASSED status) or a previously connected port has been disconnected (Link Test FAILED status). Repeater Port numbers are 1 through 8 in the 8-Port ANH or 1 through 12 in the 12-Port ANH.

Entity Code/Event Code **71/7**

Decimal Identifier **16795399**

Severity: Information

Message: Rptr Internal MAC Port Partition Status Change: <*status*>

Meaning: The internal connection from the repeater to the router Ethernet port (the internal MAC port) is automatically partitioned by the hardware if it encounters excessive collisions. PARTITIONED status means that no traffic will pass from the router to the repeater. This event occurs only on the 12-port ANH.

Action: Call the Bay Networks Technical Response Center if this events persists. There could be a problem with the interface between the router and repeater subsystems.

Entity Code/Event Code **71/8**

Decimal Identifier **16795400**

Severity: Information

Message: Rptr Internal MAC Port Link Test Status Change: <*status*>

Meaning: The status of the internal MAC port has changed. Either the 10Base-T connection from the repeater to the Ethernet port has completed (PASSED status) or a previous connection has been disconnected (FAILED status). This port should always be in the PASSED state. However, the event may be seen when resetting the Ethernet port. FAILED status indicates that the cable connecting the router Ethernet port to the repeater has been disconnected, or the Ethernet port has been disabled. This event occurs only on the 12-port ANH.

Action: If a FAILED<*status*> persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **71/9**

Decimal Identifier **16795401**

Severity: Information

Message: Rptr Port <*port_number*> Admin Status: <*status*>

Meaning: The specified repeater port has been enabled or disabled. Valid port numbers are 1 through 8 in the 8-Port ANH or 1 through 12 in the 12-Port ANH. When the status is ENABLED a disabled port has been re-enabled. When the status is DISABLED an enabled port has been Disabled.

Entity Code/Event Code **71/10**

Decimal Identifier **16795408**

Severity: Information

Message: Rptr Port Internal MAC Port Admin Status: <*status*>

Meaning: On the 12-Port ANH, the Internal MAC Port has been enabled or disabled. (In the 8-Port ANH, there is no control over the router-to-hub connection in the repeater; this connection is enabled/disabled from the router.)

Entity Code/Event Code **71/11**

Decimal Identifier **16795409**

Severity: Information

Message: Rptr RESET Initiated by SNMP Request

Meaning: The SNMP management station or a Technician Interface command initiated a reset in the repeater by setting the rptrRptrInfo.rptrReset MIB attribute to RPTR_RESET (2).

Entity Code/Event Code **71/12**

Decimal Identifier **16795410**

Severity: Information

Message: Rptr RESET Complete - Status <*status*>

Meaning: The repeater executes a self-test after the repeater is reset. SUCCESS status indicates that the reset completed successfully. FAILURE status indicates that a failure was detected during the reset.

Action: If a FAILED<*status*> persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **71/13**

Decimal Identifier **16795411**

Severity: Information

Message: Rptr NON-DISRUPT TEST Initiated by SNMP Request

Meaning: The SNMP management station or a Technician Interface command initiated a self-test that does not effect the state of the repeater or transmit any data by setting the rptrRptrInfo.rptrNonDisruptTest MIB attribute to RPTR_SELFTEST (2).

Entity Code/Event Code **71/14**

Decimal Identifier **16795412**

Severity: Information

Message: Rptr NON-DISRUPT TEST Complete - Status: <*status*>

Meaning: Indicates the result of self testing. SUCCESS status indicates that the self-testing completed successfully. FAILURE status indicates that a failure was detected during testing.

Action: If a FAILED<*status*> persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **71/15**

Decimal Identifier **16795413**

Severity: Information

Message: HIMIB<*no.*> - IMR Communication Re-established

Meaning: This Event only occurs following a *HIMIB<no.> - IMR Communication failure detected* Warning event (Entity/Event Code 71/16), indicating that communication between the HIMIB device and the IMR device has been re-established. The original communication failure was a temporary conditions, probably resulting from excessive traffic load, and processing will continue un-effected.

Entity Code/Event Code **71/17**

Decimal Identifier **16795415**

Severity: Information

Message: Rptr AUI Port Partition Status Change: <*status*>

Meaning: The Autopartition state of the AUI port has changed. The AUI port on the 8-port ANH is automatically partitioned by the hardware if it encounters excessive collisions. This event status indicates that the AUI port was PARTITIONED or RECONNECTED after autopartitioning. This event occurs only on the 8-port ANH. (There is no AUI port on the 12-port ANH.)

Entity Code/Event Code **71/18**

Decimal Identifier **16795416**

Severity: Information

Message: Rptr AUI Port Admin Status: **<***status*>

Meaning: The AUI port on the 8-port ANH has been Enabled or Disabled.

HWCOMP

The Hardware Compression service, referred to as the HWCOMP entity, issues the following event messages. The entity code assigned to HWCOMP events is 99.

Fault Events

Entity Code/Event Code **99/1**

Decimal Identifier **16802561**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The hardware compression driver software encountered a problem from which it could not recover. This is usually accompanied by another message indicating the specific nature of the problem.

Action: The hardware compression driver will restart. Save the log and configuration file if possible, because it might indicate why the crash occurred.

Warning

Entity Code/Event Code **99/2**

Decimal Identifier **16802562**

Severity: Warning

Message: Hardware Compression Interface aborting init on slot <*slot number*>. No HW Compression daughterboard present.

Meaning: Although the hardware compression interface is configured for this slot, there is no hardware compression daughterboard on this slot.

Action: Add a hardware compression daughterboard to a module on this slot or deconfigure hardware compression this slot.

Entity Code/Event Code **99/3**

Decimal Identifier **16802563**

Severity: Warning

Message: Hardware Compression Interface Slot <*slot number*>, Module <*module number*> not verified with diagnostic.

Meaning: Diagnostics were not run on the specified hardware compression interface.

Entity Code/Event Code **99/4**

Decimal Identifier **16802564**

Severity: Warning

Message: Hardware Compression Interface <*interface number*> aborting init. Wrong Net Module type in Module Location <*location number*>.

Meaning: Although this hardware compression interface is configured, the Net Module present in this module location is not the correct type of module.

Action: Replace Net Module in specified module location with correct Net Module.

Entity Code/Event Code **99/5**

Decimal Identifier **16802565**

Severity: Warning

Message: Hardware Compression is not supported on this platform.

Meaning: Hardware compression is not supported on the platform you are using.

Action: Deconfigure hardware compression from current platform.

Entity Code/Event Code **99/6**

Decimal Identifier **16802566**

Severity: Warning

Message: Hardware Compression Interface Slot <*slot number*>, Module <*module number*> failed diagnostics (status <*status code*>).

Meaning: Diagnostics indicate a failed status for this hardware compression daughterboard, along with the failure status.

Action: Replace the hardware compression daughterboard on which a failed status is indicated with another daughterboard.

Entity Code/Event Code **99/7**

Decimal Identifier **16802567**

Severity: Warning

Message: Protocol <*protocol*>, Line # <*line number*>, Cct <*circuit number*>, Vc <*VC number*> timed out waiting for the hardware compression driver to be loaded on Slot<*slot number*>.

Meaning: The specified hardware compression VC timed out while waiting for the hardware compression driver to be loaded.

Action: Make sure "hwcomp.exe" is included in the executable file you are using. The specified VC will use software compression instead of hardware compression.

Entity Code/Event Code **99/8**

Decimal Identifier **16802568**

Severity: Warning

Message: Hardware Compression Interface unable to create instance <*instance number*>.

Meaning: Hardware compression driver was unable to create the hardware compression MIB, which is used to manage each hardware compression daughterboard instance.

Action: Check the memory resources available on the slot. If they seem adequate, then memory corruption is probably occurring. Reboot the slot.

Info

Entity Code/Event Code **99/9**

Decimal Identifier **16802569**

Severity: Info

Message: Service initializing.

Meaning: The hardware compression driver is loaded and preparing to initialize all hardware compression daughterboards on this slot.

Entity Code/Event Code **99/10**

Decimal Identifier **16802570**

Severity: Info

Message: Hardware Compression Interface Slot <*slot number*>, Module <*module number*> enabled. This module may support a maximum of <*number*> contexts.

Meaning: The hardware compression driver has finished its initialization. Compression functionality has passed diagnostics successfully, and is now available for use.

HWF Events

The Hardware Filter service, referred to as the HWF entity, issues the following event messages. The entity code assigned to HWF events is 37.

Warning Events

Entity Code/Event Code **37/5**

Decimal Identifier **16786693**

Severity: Warning

Message: Hardware filter device not present on module.

Meaning: The link module on the designated slot does not have the appropriate hardware filter devices. This event occurs when you configure hardware filters on a module that supports this feature, and the optional devices are not present. The FDDI and QENET link modules can be adapted with an optional daughterboard that contains the hardware filter devices.

Action: Attach the hardware filter daughterboard to the link module on the designated slot. Alternatively, do not configure hardware filters on the designated slot.

Entity Code/Event Code **37/6**

Decimal Identifier **16786694**

Severity: Warning

Message: Invalid module type to support hardware filter.

Meaning: Hardware filtering cannot be configured on the link module in the designated slot.

Action: Change the configuration so that a link module that will be supported for hardware filters is present on the designated slot. Alternatively, do not configure hardware filters on the designated slot.

Entity Code/Event Code **37/21**

Decimal Identifier **16786709**

Severity: Warning

Message: Hardware filter table full on line <*line_no.*>.

Meaning: The maximum number of entries in the hardware filter table has been reached for the specified line. The hardware filter device will continue to perform filtering; however, no new entries will be added.

Action: Disable the bridge on the circuit that is full, or disable the bridge or line on another circuit on the same link module.

Info Events

Entity Code/Event Code **37/1**

Decimal Identifier **16786689**

Severity: Info

Message: Driver enabled

Meaning: Hardware Filter service has been enabled on a particular slot.

Entity Code/Event Code **37/2**

Decimal Identifier **16786690**

Severity: Info

Message: Driver disabled

Meaning: Hardware Filter service has been disabled on a particular slot.

Entity Code/Event Code **37/14**

Decimal Identifier **16786702**

Severity: Info

Message: Initialization complete.

Meaning: Hardware Filter service completed initialization and is available to perform filtering functions.

Entity Code/Event Code **37/19**

Decimal Identifier **16786707**

Severity: Info

Message: Enabled hardware filter on line <*line_no.*>.

Meaning: Hardware Filter service enabled the hardware filter device on a designated line and filtering will be performed.

Entity Code/Event Code **37/20**

Decimal Identifier **16786708**

Severity: Info

Message: Disabled hardware filter on line <*line_no.*>.

Meaning: Hardware Filter service disabled the hardware filter device on a designated line. Filtering will no longer be performed by the hardware filter device on a designated line.

Entity Code/Event Code **37/26**

Decimal Identifier **16786714**

Severity: Info

Message: Configuration deleted.

Meaning: Hardware Filter service removed information from the MIB for the instance of the HWF driver on a designated slot and terminated.

IGMP Events

The Internet Group Management Protocol service, referred to as the IGMP entity, issues the following event messages. The entity code assigned to IGMP events is 83.

Fault Events

Entity Code/Event Code **83/1**

Decimal Identifier **16798465**

Severity: Fault

Message: System Error, service attempting restart

Meaning: IGMP experienced a fatal error and is restarting automatically. IGMP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if IGMP fails to restart.

Entity Code/Event Code **83/2**

Decimal Identifier **16798466**

Severity: Fault

Message: IGMP RTBL Delete failure

Meaning: IGMP's internal structures are inconsistent.

Action: Call the Bay Networks Technical Response Center if the router fails to start.

Warning Events

Entity Code/Event Code **83/27**

Decimal Identifier **16798491**

Severity: Warning

Message: Circuit <*circuit_no.*> could not get a buffer to send query

Meaning: IGMP attempted to send an IGMP query, but the router did not have sufficient resources for the transmission.

Action: The problem may correct itself. If not, determine if the router is overloaded.

Information Events

Entity Code/Event Code **83/3**
Decimal Identifier **16798467**
Severity: Info
Message: IGMP circuit gate <*gate_id*>; group <*group_address*> has timed out.
Meaning: This multicast group is no longer active on this circuit.

Entity Code/Event Code **83/4**
Decimal Identifier **16798468**
Severity: Info
Message: IGMP circuit gate <*gate_id*> is UP with IP address <*IP_address*>.
Meaning: IGMP is up on this circuit.

Entity Code/Event Code **83/5**
Decimal Identifier **16798469**
Severity: Info
Message: IGMP circuit gate <*gate_id*> with IP address <*IP_address*> is down.
Meaning: IGMP is down on this circuit.

Entity Code/Event Code **83/6**
Decimal Identifier **16798470**
Severity: Info
Message: IGMP circuit gate <*gate_id*> notes IP address <*IP_address*>.
Meaning: IGMP recognizes this new IP address on the multinetted circuit.

Entity Code/Event Code **83/7**
Decimal Identifier **16798471**
Severity: Info
Message: IGMP circuit gate <*gate_id*> has new IP address <*IP_address*>.
Meaning: IGMP will use this new IP address (only for multinet)

Entity Code/Event Code **83/8**

Decimal Identifier **16798472**

Severity: Info

Message: Interface <*IP_address*> up on circuit <*circuit_no.*>

Meaning: IGMP has recognized that this IP interface is up.

Entity Code/Event Code **83/9**

Decimal Identifier **16798473**

Severity: Info

Message: Interface <*IP_address*> down on circuit <*circuit_no.*>

Meaning: IGMP has recognized that this IP interface is down.

Entity Code/Event Code **83/10**

Decimal Identifier **16798474**

Severity: Info

Message: Protocol initializing

Meaning: IGMP is initializing

Entity Code/Event Code **83/11**

Decimal Identifier **16798475**

Severity: Info

Message: Protocol terminating

Meaning: IGMP is terminating.

IP Events

The Internet Protocol service, referred to as the IP entity, issues the following event messages. The entity code assigned to IP events is 2.

Fault Event

Entity Code/Event Code **2/1**

Decimal Identifier **16777729**

Severity: Fault

Message: System error, service attempting restart.

Meaning: IP experienced a fatal error and is restarting automatically. IP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if IP fails to restart.

Warning Events

Entity Code/Event Code **2/2**

Decimal Identifier **16777730**

Severity: Warning (BNX only)

Message: Interface <*IP_address*> up on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become enabled, thus providing service to the interface identified by <*IP_address*>.

Entity Code/Event Code **2/3**

Decimal Identifier **16777731**

Severity: Warning (BNX only)

Message: Interface <*IP_address*> down on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become disabled, thus disabling service to the interface identified by <*IP_address*>.

Entity Code/Event Code **2/6**

Decimal Identifier **16777734**

Severity: Warning

Message: Duplicate IP Address Detected <*IP_address*>

Meaning: IP detected a host on the local network with the same IP address as one of the router's interfaces, identified by <*IP_address*>. IP detected the address duplication when it ARPed for its own address over the interface in question.

Action: Resolve duplicate addresses by changing either the local interface address or that of the host.

Entity Code/Event Code **2/7**

Decimal Identifier **16777735**

Severity: Warning

Message: Interface <*IP_address*> Misconfigured -- Disabled

Meaning: The IP interface identified by <*IP_address*> has been determined to have a configuration error. IP designates the interface as Disabled, and waits for a change in the configuration record before attempting to enable the interface.

Action: Repair the configuration record.

Entity Code/Event Code **2/41**

Decimal Identifier **16777769**

Severity: Warning

Message: Interface <*IP_address*>: Invalid IPSO level value: <*level_value*>.

Meaning: The interface <*IP_address*> is configured with an invalid RIPSO security level.

Action: Reconfigure the RIPSO security level for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/42**

Decimal Identifier **16777770**

Severity: Warning

Message: Interface <*IP_address*>: Invalid IPSO auth value: <*authority_value*>.

Meaning: The interface <*IP_address*> is configured with an invalid RIPSO authority value.

Action: Reconfigure the RIPSO authority value for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/43**

Decimal Identifier **16777771**

Severity: Warning

Message: Interface <*IP_address*>: Malformed IPSO auth value: <*authority_value*>

Meaning: An authority value parameter (Must InAuthority, May InAuthority, Must OutAuthority, May OutAuthority, Implicit Authority, Default Authority, or Error Authority) is configured incorrectly.

Action: Reconfigure the authority value parameter, noting the following conditions:

- An authority value parameter setting cannot contain any all-zero octets.
- If the last bit in an octet is set, a subsequent authority octet is required.
- If the last bit in an octet is not set, then a subsequent authority octet is not allowed.

Entity Code/Event Code **2/44**

Decimal Identifier **16777772**

Severity: Warning

Message: Interface <*IP_address*>: Invalid IPSO level range: <*range*>

Meaning: The Maximum Level parameter setting is not greater than or equal to the Minimum Level parameter setting.

Action: Reconfigure the Maximum Level parameter setting so that it is greater than or equal to the Minimum Level parameter setting.

Entity Code/Event Code **2/45**

Decimal Identifier **16777773**

Severity: Warning

Message: Interface <*IP_address*>: Invalid IPSO auth. Flags - MAY not a superset of Must:<*flag_type*>

Meaning: The authority flags specified for the May <*flag_type*> are not a superset of the authority flags specified for the Must<*flag_type*>.

Action: Reconfigure the May <*flag_type*> parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/46**

Decimal Identifier **16777774**

Severity: Warning

Message: Interface <*IP_address*>: Invalid implicit IPSO level value <*implict_level_value*>

Meaning: The Implicit Level parameter is not set within the range specified by the Minimum Level and Maximum Level parameters.

Action: Reconfigure the Implicit Level parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/47**

Decimal Identifier **16777775**

Severity: Warning

Message: Interface <*IP_address*>: Invalid implicit IPSO auth. value <*implict_auth_value*>

Meaning: The Implicit Authority parameter is configured incorrectly. Either the current Implicit Authority value does not set required bits (as specified by the Must InAuthority parameter setting), or it sets bits that are not allowed (as specified by the May InAuthority parameter setting).

Action: Reconfigure the Implicit Authority parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/48**

Decimal Identifier **16777776**

Severity: Warning

Message: Interface <*IP_address*>: Invalid default IPSO level value <*default_level_value*>

Meaning: The Default Level parameter is not set within the range specified by the Minimum Level and Maximum Level parameters.

Action: Reconfigure the Default Level parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/49**

Decimal Identifier **16777777**

Severity: Warning

Message: Interface <*IP_address*>: Invalid default IPSO auth. value <*authority_level_value*>

Meaning: The Default Authority parameter is configured incorrectly. Either the current Default Authority value does not set required bits (as specified by the Must OutAuthority parameter setting), or it sets bits that are not allowed (as specified by the May OutAuthority parameter setting).

Action: Reconfigure the Default Authority parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/50**

Decimal Identifier **16777778**

Severity: Warning

Message: Interface <*IP_address*>: Invalid error IPSO auth. value <*authority_value*>

Meaning: The Error Authority parameter is configured incorrectly. Either the current Error Authority value does not set required bits (as specified by the Must OutAuthority parameter setting), or it sets bits that are not allowed (as specified by the May OutAuthority parameter setting).

Action: Reconfigure the Error Authority parameter for interface <*IP_address*>. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/51**

Decimal Identifier **16777779**

Severity: Warning

Message: Interface <*IP_address*>: cannot strip output labels when output labels required

Meaning: The Require Out Label or Strip Security parameter is configured incorrectly. If Require Out Label is set to Originated, Forwarded, or All, then you cannot set Strip Security to Outgoing or All.

Action: Reconfigure the Require Out Label or Strip Security parameters, or both. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/52**

Decimal Identifier **16777780**

Severity: Warning

Message: Interface <*IP_address*>: Default label required, as output label required

Meaning: The Default Label is configured incorrectly. If the Require Out Label parameter is set to Forwarded, Originated, or All, then the Default Label parameter must be enabled.

Action: Set the Default Label parameter to Enable. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/53**

Decimal Identifier **16777781**

Severity: Warning

Message: Interface <*IP_address*>: Error label required, as output label required

Meaning: The Error Label is configured incorrectly. If the Require Out Label parameter is set to Forwarded, Originated, or All, then the Error Label parameter must be enabled.

Action: Set the Error Label parameter to Enable. You must correct this configuration error in order for the interface to initialize.

Entity Code/Event Code **2/54**

Decimal Identifier **16777782**

Severity: Warning

Message: Interface <*IP_address*>: Security must be enabled for a BFE interface

Meaning: Blacker Front End support is enabled on this interface (that is, the Address Resolution parameter is set to X25_BFE_DDN); however, corresponding RIPSO parameters are not specified.

Action: Set the Enable Security parameter to Enable, set the Require Out Security parameter to All, and set the Error Label and Default Label parameters to Enable.

Entity Code/Event Code **2/56**

Decimal Identifier **16777784**

Severity: Warning

Message: Error when configuring static route <*IP_address*>/<*IP_address*>/<*IP_address*>

Meaning: The static route <*IP_address*>/<*IP_address*>/<*IP_address*> is configured incorrectly.

Action: Reconfigure the static route.

Entity Code/Event Code **2/57**

Decimal Identifier **16777785**

Severity: Warning

Message: Subnet zero disabled, not allowed for this static route <*IP_address*>/<*IP_address*>/<*IP_address*>

Meaning: The subnet zero is not allowed for this static route.

Action: Reconfigure the static route.

Entity Code/Event Code **2/59**

Decimal Identifier **16777787**

Severity: Warning

Message: An IP Route Filter could not be activated.
Increase the Maximum IP Policy Rules parameter

Meaning: The number of rules in the filter exceeds the number allowed.

Action: Determine the number of rules in the filter and specify the value.

Entity Code/Event Code **2/60**

Decimal Identifier **16777788**

Severity: Warning

Message: An IP Policy could not be activated.
Increase the Maximum IP Policy Rules parameter.

Meaning: The number of rules in the policy exceeds the number allowed.

Action: Determine the number of rules in the policy and specify the value.

Entity Code/Event Code **2/61**

Decimal Identifier **16777789**

Severity: Warning

Message: The <*parameter_name*> parameter for Accept policy rule <*policy_rule_no.*> for the <*IP_protocol*> protocol is malformed - the octet string length is not a multiple of 8 bytes.

Meaning: The specified parameter value is invalid.

Action: Enter a valid parameter string.

Entity Code/Event Code **2/62**

Decimal Identifier **16777790**

Severity: Warning

Message: The <*parameter_name*> parameter for <*accept/announce*> policy rule <*policy_rule_no.*> for the <*IP_protocol*> protocol is malformed — the octet string length is not a multiple of 9 bytes.

Meaning: The specified parameter is invalid.

Action: Enter a valid parameter string.

Entity Code/Event Code **2/63**

Decimal Identifier **16777791**

Severity: Warning

Message: The <*parameter_name*> parameter for <*accept/announce*> policy rule <*policy_rule_no.*> for the <*IP_protocol*> protocol is malformed — a Type field has the value <*type_value*> instead of one of the legal values of 1 (exact match) or 2 (range match).

Meaning: The specified parameter has an invalid Type value.

Action: Enter a valid Type value.

Entity Code/Event Code **2/64**

Decimal Identifier **16777792**

Severity: Warning

Message: The <*parameter_name*> parameter for <accept/announce> policy rule <*policy_rule_no.*> for the <*IP_protocol*> protocol is malformed — the octet string length is not a multiple of 4 bytes.

Meaning: The parameter is invalid.

Action: Enter a valid parameter string.

Entity Code/Event Code **2/65**

Decimal Identifier **16777793**

Severity: Warning

Message: The <*parameter_name*> parameter for <*accept/announce*> policy rule policy_rule_no.> for the <*IP_protocol*> protocol is malformed — the octet string is not a multiple of 2 bytes.

Meaning: The parameter is invalid.

Action: Enter a valid parameter string that is a multiple of 2 bytes.

Entity Code/Event Code **2/72**

Decimal Identifier **16777800**

Severity: Warning

Message: An <*IP_protocol*> Accept Policy with a zero instance ID was configured. This is an illegal configuration and the rule cannot be activated.

Meaning: The accept policy for the specified protocol has an invalid instance ID.

Action: Supply a valid instance ID.

Entity Code/Event Code **2/73**

Decimal Identifier **16777801**

Severity: Warning

Message: An <*IP_protocol*> Announce Policy with a zero instance ID was configured. This is an illegal configuration and the rule cannot be activated.

Meaning: The announce policy for the specified protocol has an invalid instance ID.

Action: Supply a valid instance ID.

Entity Code/Event Code **2/74**

Decimal Identifier **16777802**

Severity: Warning

Message: RIP Authentication failed for source <*IP_address*> on interface <*IP_address*> Security enabled, received Address Family Identifier <*id*> Authentication Type <*no.*>

Meaning: RIP authentication is enabled on this interface, and RIP received an update without Authentication set. RIP discarded the update.

Action: Either disable authentication on this interface or enable authentication with the correct password on the sending router.

Entity Code/Event Code **2/75**

Decimal Identifier **16777803**

Severity: Warning

Message: RIP Authentication failed for source <*IP_address*> on interface <*IP_address*> Security disabled, received Address Family Identifier <*id*> Authentication Type <*no.*>

Meaning: RIP Version 2 is configured with authentication disabled. RIP received an update with the authentication set. RIP discarded the update.

Action: Edit the RIP interface window to enable authentication with the proper password, or disable authentication on the sending router.

Entity Code/Event Code **2/76**

Decimal Identifier **16777804**

Severity: Warning

Message: RIP Authentication failed for source <*IP_address*> on interface <*IP_address*>
Passwords did not match
Received Key <*key_value*>
Configured Key <*key_value*>

Meaning: RIP Version 2 is the configured mode on both the sending and receiving router, but the password fields are not identical. RIP discarded the update.

Action: Edit the RIP interface Password parameter on both routers. Ensure that the passwords are identical.

Entity Code/Event Code **2/82**

Decimal Identifier **16777810**

Severity: Warning

Message: r_ insert of <*IP_address*> failed code <*no.*>; network <*IP_address*> exists.

Meaning: r_insert tried to insert the specified network into the routing table. The attempt failed because the routing table already contains the network.

Action: None

Entity Code/Event Code **2/83**

Decimal Identifier **16777811**

Severity: Warning

Message: r_delete of <*IP_address*> failed code <*no.*>

Meaning: r_delete was unable to delete the specified address from the routing table.

Action: None

Entity Code/Event Code **2/87**

Decimal Identifier **16777815**

Severity: Warning

Message: ATMARP <*IP_address*>: interface misconfiguration on circuit <*no.*>

Meaning: The specified ATMARP interface has been misconfigured. The misconfiguration is the result of either ATMARP being enabled on a non-ATM interface, an ATMARP server being configured on a PVC-only service record, or ATMARP configured on a service record for RFC 1294.

Action: Correct the misconfiguration.

Entity Code/Event Code **2/92**

Decimal Identifier **16777820**

Severity: Warning

Message: ATMARP <*IP_address*>*:* failed to %s ATMARP server <*ATM address*> attempt <*no.*>

Meaning: The ATMARP client has either failed to open an SVC to the ATMARP server, or the ATMARP client has failed to register with the ATMARP server. A registration failure is the result of the client not receiving an ATMARP response to its ATMARP request for its own IP address. A registration failure is possibly the result of the server not functioning correctly, or the ATMARP response being dropped by the network.

Action: Verify that the client is configured with the correct ATMARP server address, and that the server is operating correctly.

Entity Code/Event Code **2/106**

Decimal Identifier **16777834**

Severity: Warning

Message: ATMARP <*IP_address*>*:* call <*no.*> to <*ATM address*> failed (cause <*no.*>), not retrying

Meaning: The call to the specified ATM address failed with the indicated cause code. The cause code was such that the call will not be retried (with the exception of the client's call to the server--this call will always be retried). The destination IP entity will be considered unreachable.

Action: Verify the ATM address at the destination, as well as the information cached at the ATM server.

Entity Code/Event Code **2/107**

Decimal Identifier **16777835**

Severity: Warning

Message: ATMARP <*IP_address*>*:* call <*no.*> to <*ATM address*> failed (cause <*no.*>), not retrying (retries exceeded)

Meaning: The call to the specified ATM address failed with the indicated cause code, and the number of attempts at opening an SVC to the specified address has been exceeded. The destination IP entity will be considered unreachable.

Action: Verify the ATM address at the destination, as well as the information cached at the ATMARP server

Entity Code/Event Code **2/108**

Decimal Identifier **16777836**

Severity: Warning

Message: ATMARP <*IP_address*>*:* call <*no.*> to <*ATM address*> failed (cause <*no.*>), retrying

Meaning: The call to the specified ATM address failed with the indicated cause code.

Action: None. The failed call will be retried.

Entity Code/Event Code **2/120**

Decimal Identifier **16777848**

Severity: Warning

Message: ATMARP <*IP_address*>: received (in)arp with subaddress <*ATM address*> for <*IP_address*> on VCid <*no.*>

Meaning: An ATMARP packet was received that indicated a non-empty subaddress. Subaddresses are currently not supported.

Action: None

Entity Code/Event Code **2/121**

Decimal Identifier **16777849**

Severity: Warning

Message: ATMARP <*IP_address*>: received open indication with subaddress <*ATM address*> VCid <*no.*>

Meaning: A call was received with the calling party subaddress IE present. Subaddresses are currently not supported.

Action: None

Entity Code/Event Code **2/129**

Decimal Identifier **16777857**

Severity: Warning

Message: A BGP Accept Policy with a malformed regular expression <*exp*> was configured - ignored.

Meaning: You used an invalid expression in a BGP-4 AS Pattern parameter.

Action: Examine and correct the policy.

Entity Code/Event Code **2/130**

Decimal Identifier **16777858**

Severity: Warning

Message: A BGP Announce Policy with a malformed regular expression <*exp*> was configured - ignored.

Meaning: You used an invalid expression in a BGP-4 AS Pattern parameter.

Action: Examine and correct the policy.

Info Events

Entity Code/Event Code **2/2**

Decimal Identifier **16777730**

Severity: Info (routers only)

Message: Interface <*IP_address*> up on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become enabled, thus providing service to the interface identified by <*IP_address*>.

Entity Code/Event Code **2/3**

Decimal Identifier **16777731**

Severity: Info (routers only)

Message: Interface <*IP_address*> down on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become disabled, thus disabling service to the interface identified by <*IP_address*>.

Entity Code/Event Code **2/4**

Decimal Identifier **16777732**

Severity: Info

Message: Protocol initializing

Meaning: IP is initializing.

Entity Code/Event Code **2/5**

Decimal Identifier **16777733**

Severity: Info

Message: Protocol terminating

Meaning: IP is terminating.

Entity Code/Event Code **2/27**

Decimal Identifier **16777755**

Severity: Info

Message: IP Traffic Filter — Rule <*filter_rule_no.*>, Interface <*IP_address*>, Circuit <*circuit_no.*> (Accept packet)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*IP_address*>. The packet was accepted as specified by the filter.

Entity Code/Event Code **2/28**

Decimal Identifier **16777756**

Severity: Info

Message: IP Traffic Filter — Rule <*filter_rule_no.*>, Interface <*IP_address*>, Circuit <*circuit_no.*> (Drop packet)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*IP_address*>. The packet was dropped as specified by the filter.

Entity Code/Event Code **2/29**

Decimal Identifier **16777757**

Severity: Info

Message: IP Traffic Filter — Rule <*filter_rule_no.*>, Interface <*IP_address*>, Circuit <*circuit_no.*> (Forward to next hop: <*IP_address*>)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*IP_address*>. The packet was forwarded to the specified next-hop router.

Entity Code/Event Code **2/30**

Decimal Identifier **16777758**

Severity: Info

Message: IP Traffic Filter — Rule <*filter_rule_no.*>, Interface <*IP_address*>, Circuit <*circuit_no.*> (Log only)

Meaning: A packet-matching filter rule <*filter_rule_no.*> was received on <*IP_address*>. The packet was logged as specified by the filter.

Entity Code/Event Code **2/55**

Decimal Identifier **16777783**

Severity: Info

Message: Interface <*IP_address*>: IPSO processing enabled

Meaning: The router checked the security configuration for interface <*IP_address*>. The security configuration is correct and the router initialized RIPSO for that interface.

Entity Code/Event Code **2/126**

Decimal Identifier **16777854**

Severity: Info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*>
(Forward to next hop interfaces: <*IP_address*>)

Meaning: The packet matched the specified rule and is being forwarded to the specified next hop interfaces.

Entity Code/Event Code **2/127**

Decimal Identifier **16777855**

Severity: info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*>
(Forward to IP address: <*IP_address*>)

Meaning: The packet matched the specified rule and is being forwarded to the specified IP address.

Entity Code/Event Code **2/128**

Decimal Identifier **16777856**

Severity: Info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*>
(Forward to first up: <*IP_address*>)

Meaning: The packet matched the specified rule and is being forwarded to the specified first-up address.

Entity Code/Event Code **2/140**

Decimal Identifier **16777868**

Severity: Info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*> (Accept packet)
Accepted packet - Src: <*IP_address*>, Dst: <*IP_address*>, Prot: <*no.*>

Meaning: The specified packet matched the specified rule and is being accepted.

Entity Code/Event Code **2/141**

Decimal Identifier **16777869**

Severity: Info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*> (Drop packet) Dropped packet - Src: <*IP_address*>, Dst: <*IP_address*>, Prot: <*no.*>

Meaning: The specified packet matched the specified rule and is being dropped.

Entity Code/Event Code **2/142**

Decimal Identifier **16777870**

Severity: Info

Message: IP Traffic Filter - Rule <*no.*>, Interface <*IP_address*>, Circuit <*no.*> (Log only) Hit packet - Src: <*IP_address*>, Dst: <*IP_address*>, Prot: <*no.*>

Meaning: The specified packet matched the specified rule and is being logged.

IPX Events

The Internet Packet Exchange service, referred to as the IPX entity, issues the following event messages. The entity code assigned to IPX events is 30.

Warning Events

Entity Code/Event Code **30/12**

Decimal Identifier **16784908**

Severity: Warning

Message: IPX received a rip packet on interface <*IPX _network_ address*> with a dest net of <*IPX_network_address*>, src net of <*IPX_network_address*>, packet discarded.

Meaning: A RIP packet with a destination network other than the network number of the IPX interface was received on the indicated interface. An interface on this segment has been configured with an incorrect network number.

Action: Check the interfaces configured on the segment and reconfigure them with the correct network number.

Entity Code/Event Code **30/13**

Decimal Identifier **16784909**

Severity: Warning

Message: IPX received a sap packet on interface <*IPX _network_ address*> with a dest net of <*IPX_network_address*>, src net of <*IPX_network_address*>, packet discarded.

Meaning: A SAP packet with a destination network other than the network number of the IPX interface was received on the indicated interface. An interface on this segment has been configured with an incorrect network number.

Action: Check the interfaces configured on the segment and reconfigure them with the correct network number.

Entity Code/Event Code **30/67**

Decimal Identifier **16784963**

Severity: Warning

Message: IPXWAN master/slave roles cannot be determined circ. index <*index*>.

Meaning: IPXWAN cannot determine which router is the link master. This message can occur when two or more networks have the same Primary Network Number (PNN), since the PNN is used to determine the link master.

Action: Check the interfaces configured on the segment and reconfigure them with the correct primary network number.

Entity Code/Event Code **30/69**

Decimal Identifier **16784965**

Severity: Warning

Message: MultipleHostAddress will override old CfgHostAddr.

Meaning: Multiple Host Address Enable (an IPX global parameter) is set to Enable (default setting), which allows for host ID number assignments on a per-interface basis. Each IPX interface will adopt the 6-byte MAC address of the associated circuit as the host ID number for that interface.

Action: If you want to keep a single, boxwide host ID number for all IPX interfaces, change the setting of the Multiple Host Address Enable global parameter to Disabled.

If you want to set IPX host ID numbers on a per-interface basis, leave the setting of the Multiple Host Address Enable global parameter at Enabled.

Entity Code/Event Code **30/70**

Decimal Identifier **16784966**

Severity: Warning

Message: IPXWAN/PPP Incorrectly configured: <*error_type*>.

Meaning: IPX WAN on PPP is incorrectly configured, as determined by the specific type of error reported in the message.

Action: Your action depends on the type of error, as follows:

If the message is “IPX intf non-zero and PPP-negotiated net is not equal to IPX intf”, the network number of this IPX interface, which is configured on PPP, is not equal to zero. The network number negotiated by PPP also is not equal to the network number of the IPX interface. Depending on your IPX configuration requirements, you must do one of the following:

Proceed as follows:

- Set the IPX interface to zero and allow PPP to negotiate the IPX network number.
- Set the IPX network number of the PPP interfaces on both sides of the link to zero.
- Set the network number of the IPX interfaces on both sides of the link to the same, nonzero value.

Entity Code/Event Code **30/75**

Decimal Identifier **16784971**

Severity: Warning

Message: IPX Route Filter with rule number <*rule_no.*> includes rule number <*rule_no.*> on circ. index <*index*>.

Meaning: Duplicate or overlapping filters in two different rules

Action: Adjust the filter associated with one of the two rules to correct the overlap/duplication.

Entity Code/Event Code **30/76**

Decimal Identifier **16784972**

Severity: Warning

Message: IPX Server Net Filter with rule number <*rule_no.*> includes rule number <*rule_no.*> on circ. index <*index*>.

Meaning: Duplicate or overlapping filters in two different rules

Action: Adjust the filter associated with one of the two rules to correct the overlap/duplication.

Info Events

Entity Code/Event Code **30/1**

Decimal Identifier **16784897**

Severity: Info

Message: IPX Protocol initializing.

Meaning: The IPX protocol is initializing, box-wide. This message is displayed on each slot where IPX is loaded.

Entity Code/Event Code **30/2**

Decimal Identifier **16784898**

Severity: Info

Message: IPX Protocol terminating.

Meaning: The IPX protocol is terminating, box-wide. This message is displayed on each slot where IPX is loaded.

Entity Code/Event Code **30/3**

Decimal Identifier **16784899**

Severity: Info

Message: IPX Nwif circ. index <*index*> Interface <*IPX_network_ address*> up on circuit <*circuit_no.*>.

Meaning: This IPX interface has come up on the indicated circuit.

Entity Code/Event Code **30/4**

Decimal Identifier **16784900**

Severity: Info

Message: IPX Nwif circ. index <*index*> Interface <*IPX_network_ address*> down on circuit <*circuit_no.*>

Meaning: This IPX interface has gone down on the indicated circuit.

Entity Code/Event Code **30/42**

Decimal Identifier **16784938**

Severity: Info

Message: IPX ADD Nwif circ. index <*index*> circuit <*circuit_no.*>.

Meaning: The IPX interface designated by its <*index*> and <*circuit_no.*> has been added to the table of interfaces.

Entity Code/Event Code **30/43**

Decimal Identifier **16784939**

Severity: Info

Message: IPX Nwif from MIB Active circ. index <*index*> circuit <*circuit_no.*>.

Meaning: The MIB record for the IPX interface designated by <*index*> and <*circuit_no.*> is active, and the IPX routing software has read the information.

Entity Code/Event Code **30/44**

Decimal Identifier **16784940**

Severity: Info

Message: IPX Nwif from MIB Non-active circ. index <*index*> circuit <*circuit_no.*>.

Meaning: The IPX routing software has detected that the MIB record for the IPX interface designated by <*index*> and <*circuit_no.*> is inactive.

Entity Code/Event Code **30/45**

Decimal Identifier **16784941**

Severity: Info

Message: IPX Nwif circ. index <*index*> mapped to circuit <*circuit_no.*>

Meaning: The IPX interface with the indicated <*index*> has been associated with the circuit <*circuit_no.*>.

Entity Code/Event Code **30/50**

Decimal Identifier **16784946**

Severity: Info

Message: IPXWAN up on circ. index <*index*>.

Meaning: The IPXWAN protocol has started negotiation on the IPX interface designated by <*index*>.

Entity Code/Event Code **30/51**

Decimal Identifier **16784947**

Severity: Info

Message: IPXWAN down on circ. index <*index*>

Meaning: The IPXWAN protocol has completed negotiation on the IPX interface designated by <*index*>.

Entity Code/Event Code **30/52**

Decimal Identifier **16784948**

Severity: Info

Message: IPXWAN negotiation successful on circ. index <*index*>.

Meaning: IPXWAN has successfully negotiated on the WAN link connecting the IPX interface designated by <*index*> and the remote node.

Entity Code/Event Code **30/53**

Decimal Identifier **16784949**

Severity: Info

Message: IPXWAN negotiation failed on circ. index <*index*>.

Meaning: IPXWAN was unsuccessful in negotiating on the WAN link connecting the IPX interface designated by <*index*> and the remote node.

Entity Code/Event Code **30/54**

Decimal Identifier **16784950**

Severity: Info

Message: IPXWAN we are Master on circ. index <*index*>.

Meaning: The IPX interface designated by <*index*> has declared itself as link master on the WAN link.

Entity Code/Event Code **30/55**

Decimal Identifier **16784951**

Severity: Info

Message: IPXWAN we are Slave on circ. index <*index*>.

Meaning: The IPX interface designated by <*index*> has acknowledged itself as link slave on the WAN link.

Entity Code/Event Code **30/56**

Decimal Identifier **16784952**

Severity: Info

Message: IPXWAN Link Delay is <*amount_of_delay*> on circ. index <*index*>.

Meaning: The IPX interface designated by <*index*> has computed the link delay of <*amount_of_delay*> on the WAN link. This value is in microseconds.

Entity Code/Event Code **30/57**

Decimal Identifier **16784953**

Severity: Info

Message: IPXWAN NLSP Delay is <*amount_of_delay*> on circ. index <*index*>.

Meaning: The IPX interface designated by <*index*> has computed the NLSP delay of <*amount_of_delay*> on the WAN link. This value is in microseconds.

Entity Code/Event Code **30/58**

Decimal Identifier **16784954**

Severity: Info

Message: IPXWAN NLSP Throughput is <*bits_per_second*> on circ. index <*index*>.

Meaning: The IPX interface designated by <*index*> has computed the NLSP throughput of <*bits_per_second*> on the WAN link.

Entity Code/Event Code **30/59**

Decimal Identifier **16784955**

Severity: Info

Message: IPXWAN Common Net Number is <*IPX_network_address*> on circ. index <*index*>.

Meaning: IPXWAN has negotiated and assigned the IPX network number <*IPX_network_address*> to the IPX interface designated by <*index*>.

Entity Code/Event Code **30/60**

Decimal Identifier **16784956**

Severity: Info

Message: IPXWAN Primary Net Number is <*IPX_network_address*>, neighbor is <*IPX_network_address*> on circ. index <*index*>.

Meaning: The local and remote IPX WAN interfaces associated with the WAN link on the indicated circuit have the primary network numbers specified in the message (“neighbor” refers to the remote IPX WAN interface).

Entity Code/Event Code **30/61**

Decimal Identifier **16784957**

Severity: Info

Message: IPXWAN Router Name is <*router_name*>, neighbor is <*router_name*> on circ. index <*index*>.

Meaning: The local and remote IPX WAN interfaces associated with the WAN segment on the indicated circuit have the IPX router names specified in the message ("neighbor" refers to the remote IPX WAN interface).

Entity Code/Event Code **30/72**

Decimal Identifier **16784968**

Severity: Info

Message: IPX Traffic Filter - log: Rule <*filter_ rule_ no.*>, circ. index <*index*> *circuit* <*circuit_no.*> Network <*IPX_network_address*> Host <*IPX_host_address*>

Meaning: A packet matching filter rule <*filter_rule_no.*>, *destined for the indicated IPX address,* was received on the IPX interface designated by <*index*> *and* <*circuit_no.*>. The packet was logged, as specified by the filter.

Entity Code/Event Code **30/73**

Decimal Identifier **16784969**

Severity: Info

Message: IPX Traffic Filter - accept: Rule <*filter_ rule_ no.*>, circ. index <*index*> *circuit* <*circuit_no.*> Network <*IPX_network_address*> Host <*IPX_host_address*>

Meaning: A packet matching filter rule <*filter_rule_no.*>, *destined for the indicated IPX address,* was received on the IPX interface designated by <*index*> *and* <*circuit_no.*>. The packet was accepted, as specified by the filter.

Entity Code/Event Code **30/74**

Decimal Identifier **16784970**

Severity: Info

Message: IPX Traffic Filter - drop: Rule <*filter_rule_no.*>, circ. index <*index*> *circuit* <*circuit_no.*> Network <*IPX_network_address*> Host <*IPX_host_address*>

Meaning: A packet matching filter rule <*filter_rule_no.*>, *destined for the indicated IPX address,* was received on the IPX interface designated by <*index*> *and* <*circuit_no.*>. The packet was dropped, as specified by the filter.

Trace Events

Entity Code/Event Code **30/5**

Decimal Identifier **16784901**

Severity: Trace

Message: IPX Network added to Table of Networks.

Net: *<IPX_network_address>* NextHopHost: *<IPX_network_ address>.<IPX_host_ address> T: <ticks> H: <hops>*

Meaning: The network indicated was added to the table of networks.

Entity Code/Event Code **30/6**

Decimal Identifier **16784902**

Severity: Trace

Message: IPX Network removed from Table of Networks.

Net: *<IPX _network_address>* NextHopHost: *<IPX_network_ address>.<IPX_host_ address>*

Meaning: The network indicated was deleted from the table of networks.

Entity Code/Event Code **30/7**

Decimal Identifier **16784903**

Severity: Trace

Message: IPX Server added to table of services:

Internal Net: *< internal_network_address>* Name: *<server_name>* type: *< server_type_no.> H: <hops>*.

Meaning: The server indicated was added to the table of services.

Entity Code/Event Code **30/8**

Decimal Identifier **16784904**

Severity: Trace

Message: IPX Server deleted from table of services:

Internal Net: *< internal_network_address>* Name: *<server_name>* type: *<server_type_no.>*.

Meaning: The server indicated was deleted from the table of services.

Entity Code/Event Code **30/9**

Decimal Identifier **16784905**

Severity: Trace

Message: IPX Service no longer available, net: <*IPX _network_address*> down:

Internal Net: <*internal _network_address*> Name <*server_name*> type: <*server_type_no.*>

Meaning: The IPX service at the indicated address is no longer available, because the route to the service was deleted.

Entity Code/Event Code **30/10**

Decimal Identifier **16784906**

Severity: Trace

Message: IPX Host <*IPX _network _address*>.<*IPX_host_ address*> added to Table of Hosts

Meaning: The host node indicated was added to the table of hosts.

Entity Code/Event Code **30/11**

Decimal Identifier **16784907**

Severity: Trace

Message: IPX Host <*IPX _network _address*>, <*IPX_host_ address*> deleted from Table of Hosts

Meaning: The host node indicated was deleted from the table of hosts.

Entity Code/Event Code **30/14**

Decimal Identifier **16784910**

Severity: Trace

Message: IPX forwarded a BCAST type <*packet_type (hex)*> packet from interface <*IPX _network_ address*> with destination net of <*IPX_network_address*>.

Meaning: IPX forwarded a directed broadcast packet received from the specified IPX interface to the destination network also specified in the message.

Entity Code/Event Code **30/15**

Decimal Identifier **16784911**

Severity: Trace

Message: IPX dropped a BCAST type <*packet_type (hex)*> packet from interface <*IPX _interface_ address*> with destination net of <*IPX_network_address*>.

Meaning: IPX dropped a directed broadcast packet sent from the specified IPX interface to the destination network also specified in the message, because the outbound interface is the same as the inbound interface.

Entity Code/Event Code **30/66**

Decimal Identifier **16784962**

Severity: Trace

Message: IPXWAN packed received circ. index <*index*> while in open state.

Meaning: An IPXWAN packet was received on the IPX interface designated by <*index*> after IPXWAN negotiation had completed. This usually indicates that the remote node was restarted.

Entity Code/Event Code **30/68**

Decimal Identifier **16784964**

Severity: Trace

Message: IPXWAN packet received out of order circ. index <*index*>.

Meaning: An unexpected IPXWAN packet was received during the negotiation process. This usually indicates an implementation error in the remote node.

ISDN Events

The Integrated Services Digital Network service, referred to as the ISDN entity, issues the following event messages. The entity code assigned to ISDN events is 79.

Fault Event

Entity Code/Event Code **79/1**

Decimal Identifier **16797441**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The router experienced an error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Warning Events

Entity Code/Event Code **79/7**

Decimal Identifier **16797447**

Severity: Warning

Message: Configured DSL ID <*ID_no.*> greater than allowed.

Meaning: The value assigned to the DSL (digital subscriber loop) by the driver is larger than the router software permits.

Action: Verify that the ISDN hardware configuration is valid for your router model.

Entity Code/Event Code **79/8**

Decimal Identifier **16797448**

Severity: Warning

Message: No D channel driver available. Dropping packet.

Meaning: There is no D channel available, so the router will not send the packet.

Action: Verify the state of the ISAC driver (the router's ISDN chip) to ensure that it is loaded in the slot and enabled. If you continue to see this message, contact the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **79/2**

Decimal Identifier **16797442**

Severity: Info

Message: Service initializing. Awaiting configuration from Line Manager.

Meaning: The D channel signaling stack has started. It is waiting for the configuration parameters from the line manager.

Entity Code/Event Code **79/3**

Decimal Identifier **16797443**

Severity: Info

Message: Received configuration from Line Manager.

Meaning: The line manager sent the configuration parameters to the D channel signaling stack.

Entity Code/Event Code **79/4**

Decimal Identifier **16797444**

Severity: Info

Message: TEI <*terminal_endpoint_ID_no.*> assigned on DSL <*ID_no.*> .

Meaning: The ISDN switch, that is the network, assigned a TEI to this DSL.

Entity Code/Event Code **79/5**

Decimal Identifier **16797445**

Severity: Info

Message: TEI <*terminal_endpoint_ID_no.*> removed on DSL <*ID_no.*> .

Meaning: The TEI assigned by the ISDN switch for this DSL is no longer valid.

Trace Events

Entity Code/Event Code **79/9**

Decimal Identifier **16797449**

Severity: Trace

Message: Error <*user_text_string*>.

Meaning: This message is specific to the ISDN code. Bay Networks uses this event for debugging purposes.

Entity Code/Event Code **79/10**

Decimal Identifier **16797450**

Severity: Trace

Message: PACKAGE:

BufType:<*no.*>SourceID:<*ID_no.*> DestID: <*ID_no.*> InfoLen:<*no.*> InfoBufType:<*no.*> MsgType:<*hex_value*>

Meaning: This message is part of the ISDN trace facility. Bay Networks uses this message for debugging purposes. During normal operation, you should turn the trace facility off; then this message will not appear in the log.

Entity Code/Event Code **79/11**

Decimal Identifier **16797450**

Severity: Trace

Message: PRIVILEGE:

BufType:<*no.*>	L2_Protocol:<*no.*>	Source_ID <*ID_no.*>	SourceState:<*no.*>
Dest_ID:<*ID_no.*>	Prim_ID:<*ID_no.*>	Sapi: <*sapi_no.*>	Ces:<*no.*>
LLI<*LLIndex_no.*>	Call_ID: <*ID_no.*>	DSL_ID:<*ID_no.*>	
DSL_Chan_ID:<*ID_no.*>			

Meaning: This message is part of the ISDN trace facility. Bay Networks uses this message for debugging purposes. During normal operation, you should turn the trace facility off; then this message will not appear in the log.

Entity Code/Event Code **79/13**

Decimal Identifier **16797453**

Severity: Trace

Message: Starting Layer 2.

Meaning: The router has started Layer 2 of the ISDN signaling stack.

Entity Code/Event Code **79/14**

Decimal Identifier **16797454**

Severity: Trace

Message: Starting Management Entity.

Meaning: The router has started the management entity of the ISDN signaling stack.

Entity Code/Event Code **79/15**

Decimal Identifier **16797455**

Severity: Trace

Message: Starting Call Control

Meaning: The router has started the call control layer of the ISDN signaling stack.

Entity Code/Event Code **79/16**

Decimal Identifier **16797456**

Severity: Trace

Message: Starting Layer 3.

Meaning: The router has started Layer 3 of the ISDN signaling stack.

ISDN BRI Events

The Integrated Services Digital Network, Basic Rate Information driver service, referred to as the ISDN BRI entity, issues the following event messages. The entity code assigned to ISDN BRI events is 80.

Fault Event

Entity Code/Event Code **80/1**

Decimal Identifier **16797697**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The ISDN BRI driver software encountered a problem from which it could not recover.

Action: The router or BNX platform will restart the ISDN BRI driver. To determine what caused the crash, save the log and configuration file and look in these files for a probable cause. Call the Bay Networks Technical Response Center if the router fails to boot.

Warning Events

Entity Code/Event Code **80/2**

Decimal Identifier **16797698**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface aborting init. No Net module present in module location <*location*>

Meaning: Although the ISDN BRI interface is configured, there is no net module present in the appropriate slot for this interface.

Action: Insert the net module in the proper location on the host module.

Entity Code/Event Code **80/3**

Decimal Identifier **16797699**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Timer 3 expired, S/T inactive

Meaning: Indicates that the router tried to activate the S/T interface but failed. When Layer 1 receives a request to activate the S/T interface, it transmits INFO 1 frames for the duration of the T3 timer. When the timer expires, the router stops sending INFO 1 frames and then transmits INFO 0 frames, which are idle 1's that indicate that there is no signal.

Action: Make sure the RJ45 cable is plugged in to the S/T interface. If the cable is properly secured, consult your network subscriber, and provide the value of your T3 timer (the default is 10 seconds). This timer may be too short for your ISDN service. If the T3 timer value is fine, then the problem exists between the physical connection of the router and the ISDN switch.

Entity Code/Event Code **80/4**

Decimal Identifier **16797700**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface not verified with diagnostic.

Meaning: You did not run diagnostics on the specified ISDN interface.

Action: Replace the existing Net module with the correct type.

Entity Code/Event Code **80/5**

Decimal Identifier **16797701**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface aborting init. Wrong Net module type in module location <*location*>.

Meaning: Although you configured the ISDN BRI interface, the net module present in this location is not the correct type of module.

Action: Replace the existing Net module with the correct type. For example, the module may not be an ISDN BRI Net module.

Entity Code/Event Code **80/23**

Decimal Identifier **16797719**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface starting timer T4

Meaning: Upon the reception of INFO 0, the T4 timer is started when leaving state F7 (activated) and entering state F8 (lost framing). This indicates the S/T interface has lost synchronization with the network. The T4 timer is a debounce timer used to shield the upper layers from problems at the S/T interface. Spurious problems of short duration will not be reported to the upper layers until the T4 timer expires.

The router delivers a deactivation indication to Layer 2 only if it does not enter state F7 (activated) before the expiration of this timer.

Action: If this message occurs frequently, check with your network provider for an explanation. There may be a problem with the physical connection from the router to the network terminator.

Entity Code/Event Code **80/24**

Decimal Identifier **16797720**

Severity: Warning

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Timer 4 expired, S/T being deactivated.

Meaning: Indicates the S/T interface has not reached state F7 (activated) in less than the value of the T4 timer. The router transitioned from F7 (activated) to F8 (lost framing) but missed the time window in which to activate. The router deactivates the S/T interface and notifies Layer 2 that Layer 1 has transitioned to state F3 (deactivated).

Action: If you unplugged the RJ45 cable from the router for a time greater than or equal to the T4 timer, then this occurrence is to be expected. If this happens frequently and the physical connection between the router and the network terminator is fine, then contact your network provider because their may be a framing problem on the ISDN line.

Info Events

Entity Code/Event Code **80/6**

Decimal Identifier **16797702**

Severity: Info

Message: Service initializing.

Meaning: The ISDN BRI driver is loaded and is preparing to distribute all configuration instances of the ISDN BRI driver.

Entity Code/Event Code **80/7**

Decimal Identifier **16797703**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface disabled.

Meaning: You have disabled the BRI driver, but it is still loaded in memory.

Entity Code/Event Code **80/8**

Decimal Identifier **16797704**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface enabled.

Meaning: You have enabled the ISDN BRI driver and the software passed diagnostics successfully.

Entity Code/Event Code **80/9**

Decimal Identifier **16797705**

Severity: Info

Message: ISDN BRI <*channel_no.*>, Interface configuration deleted.

Meaning: You deleted the ISDN BRI driver and the router unloaded the driver from memory.

Entity Code/Event Code **80/10**

Decimal Identifier **16797706**

Severity: Info

Message: ISDN BRI <*channel_no.*>, Interface service withdrawn.

Meaning: You have removed ISDN service. ISDN functionality is no longer available on specified interfaces.

Entity Code/Event Code **80/11**

Decimal Identifier **16797707**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface activated.

Meaning: Indicates the S/T interface is active. In compliance with CCITT I.430, the S/T interface has reached state F7, which means that both the network terminator (NT) and the router are transmitting normal frames, that is, sending INFO 3 frames and receiving INFO 4 frames.

Entity Code/Event Code **80/12**

Decimal Identifier **16797708**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*> Interface deactivated

Meaning: Indicates the S/T interface is not active. In compliance with CCITT I.430, the S/T interface has reached state F3, the deactivated state of the physical protocol. Neither the network terminator (NT) nor the router or BNX platform is transmitting frames.

Entity Code/Event Code **80/13**

Decimal Identifier **16797709**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface waiting to be activated.

Meaning: Indicates the S/T interface is currently deactivated and waiting for either an activation request from the router or from the network.

Entity Code/Event Code **80/14**

Decimal Identifier **16797710**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface generating an activation request.

Meaning: Indicates the S/T interface has received an activation request from the router to activate the S/T interface. In compliance with I.430, the S/T interace transitions from state F3 (deactivated) to state F4 (awaiting signal) and starts transmitting INFO 1 frames.

Entity Code/Event Code **80/15**

Decimal Identifier **16797711**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface lost framing synchronization.

Meaning: Indicates the S/T interface lost framing synchronization with the network. In compliance with I.430, this may only occur once the router reaches either the F6 state (synchronized) or the F7 state (activated).

Action: Check that the RJ45 cable is plugged into the S/T interface. If it is, then the problem might be a spurious occurrence on the wire. If this problem occurs frequently, then check the quality of the line with the central office.

Entity Code/Event Code **80/16**

Decimal Identifier **16797712**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface received a deactivation request from the S/T interface.

Meaning: Indicates that the network sent a deactivation request to the S/T interface. This occurs when the network terminator device wants to deactivate the router or if the connection to the network terminator is broken; for example, the cable is disconnected.

Action: Check the physical connection from the router to the network terminator. If this appears to be fine, then check with the central office for problems on your ISDN line.

Entity Code/Event Code **80/17**

Decimal Identifier **16797713**

Severity: Info

Message: IOM2 clocking is being provided on ISDN BRI <*channel_no.*>, DSL <*ID_no.*>.

Meaning: Indicates that the ISDN Oriented Modular Rev. 2.2 (IOM2) interface between the ISAC (the router's ISDN chip) and the QUICC chip is active and functioning. Specifically, this message indicates that the ISAC is providing clocking to the QUICC chip. You do not need to have a connection to the network in order to see this message. The clocking is internal to the router and does not depend on devices external to the router.

Entity Code/Event Code **80/18**

Decimal Identifier **16797714**

Severity: Info

Message: IOM2 clocking is not found on ISDN BRI <*channel_no.*>, DSL <*ID_no.*>.

Meaning: Indicates the IOM2 interface between the ISAC (the router's ISDN chip) and the QUICC chip is not functioning, therefore, the ISDN interface in not functioning properly. This indicates a hardware problem.

Action: There is a possible problem with the ISDN BRI Net module. Replace the module.

Entity Code/Event Code **80/19**

Decimal Identifier **16797715**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface has received Info State 2.

Meaning: This is usually the first indication from the network that it is activating the S/T interface. In accordance with I.430, the router transitions from any of the following states: F3 (deactivated), F4 (awaiting signal), F5 (identifying input), F7 (activated), F8 (lost framing), to the F6 (synchronized) state.

Entity Code/Event Code **80/20**

Decimal Identifier **16797716**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface reset has completed.

Meaning: Indicates the ISAC chip is functioning properly and has reset properly. You usually see this message when the ISDN driver is coming up or going down.

Entity Code/Event Code **80/21**

Decimal Identifier **16797717**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface reset has failed to complete.

Meaning: Indicates the ISAC chip is not functioning properly and has not reset properly, therefore there is a hardware problem.

Action: There is a possible problem with the ISDN BRI Net module. Replace the module.

Entity Code/Event Code **80/22**

Decimal Identifier **16797718**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface signal received, identifying input.

Meaning: Indicates the S/T interface has received a signal other than INFO 0, and has not yet synchronized with the data pattern. This only occurs when the S/T interface is in the F3 (deactivated) state.

Entity Code/Event Code **80/36**

Decimal Identifier **16797732**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Interface has received Info State 0.

Meaning: Indicates that the S/T interface received INFO 0 frames from the network. This indicates that the S/T interface was not receiving any signals from the network. You see this message only if the S/T interface is in state F7 (activated) or state F8 (lost framing) and you enabled the T4 timer.

Action: Check that the RJ45 is still plugged in to the S/T interface. If it is, then this may be a spurious occurrence on the wire. If this message occurs frequently, check with the central office about the quality of the line.

Entity Code/Event Code **80/37**

Decimal Identifier **16797733**

Severity: Info

Message: ISDN BRI <*channel_no.*>, DSL <*ID_no.*>, Retrying interface reset.

Meaning: Indicates the ISAC chip is not functioning properly and has not reset properly, which means there is a hardware problem with the ISDN daughterboard.

Action: The router will restart the ISDN driver.

LAPB Events

The Link Access Procedure Balanced service, referred to as the LAPB entity, issues the following event messages. The entity code for LAPB events is 73.

Fault Event

Entity Code/Event Code **73/1**

Decimal Identifier **16795905**

Severity: Fault

Message: System error, service attempting restart.

Meaning: LAPB experienced a fatal error and is restarting automatically. LAPB will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if LAPB fails to restart.

Warning Events

Entity Code/Event Code **73/2**

Decimal Identifier **16795906**

Severity: Warning

Message: Service on Line <*line_no.*> LLIndex <*low_level_index_no.*> out of range.

Meaning: There is a configuration error.

Action: Reconfigure the X.25 packet-level parameters or the LAPB link-level parameters.

Entity Code/Event Code **73/3**

Decimal Identifier **16795907**

Severity: Warning

Message: Connect attempts exceeded on service Line <*line_no.*>.

Meaning: The router exceeded the number of attempts to connect to the remote end node, as determined by the value of the N2 counter.

Action: The LAPB layer will restart by itself and attempt to connect until the link is up.

Entity Code/Event Code **73/4**

Decimal Identifier **16795908**

Severity: Warning

Message: Error in Data Request to LAPB layer.

Meaning: There was an internal data request, which may cause a loss of data.

Action: If the problem continues, call the Bay Networks Technical Response Center.

Entity Code/Event Code **73/5**

Decimal Identifier **16795909**

Severity: Warning

Message: Error in LAPB buffer pool allocation.

Meaning: The network connection cable may be disconnected. Or, there was an internal data request, which may cause data loss.

Action: Check to make sure the network cables are securely connected. If the problem continues, call the Bay Networks Technical Response Center.

Entity Code/Event Code **73/6**

Decimal Identifier **16795910**

Severity: Warning

Message: Trying to free invalid Timer Descriptor.

Meaning: There was an internal data request, which may cause a loss of data.

Action: If the problem continues, call the Bay Networks Technical Response Center.

Entity Code/Event Code **73/7**

Decimal Identifier **16795911**

Severity: Warning

Message: Registration of LAPB Link Layer has failed.

Meaning: There was an internal data request, which may cause a loss of data.

Action: Check the LAPB configuration. If the problem continues, call the Bay Networks Technical Response Center.

Entity Code/Event Code **73/8**

Decimal Identifier **16795912**

Severity: Warning

Message: MIB Record for Line <*line number*> LLIndex <*low_level_index_no.*> is non-existent.

Meaning: There is a configuration error.

Action: Reconfigure the X.25 packet-level parameters or the LAPB link-level parameters.

Entity Code/Event Code **73/9**

Decimal Identifier **16795913**

Severity: Warning

Message: LAPB Line Configuration Error.

Meaning: There is a configuration error.

Action: Reconfigure the X.25 packet-level parameters or the LAPB link-level parameters.

Info Events

Entity Code/Event Code **73/10**

Decimal Identifier **16795914**

Severity: Info

Message: Service initializing.

Meaning: A LAPB entity has been found in the configuration file, and it is initializing.

Entity Code/Event Code **73/11**

Decimal Identifier **16795915**

Severity: Info

Message: Service on Line <*line_no.*> LLIndex <*low_level_index_no.*> disabled.

Meaning: You disabled the LAPB layer for Line <*line_no.*> LLIndex <*low_level_index_no.*>.

Entity Code/Event Code **73/12**

Decimal Identifier **16795916**

Severity: Info

Message: Service on Line <*line_no.*> LLIndex <*low_level_index_no.*> enabled.

Meaning: You enabled the LAPB layer for Line <*line_no.*> LLIndex <*low_level_index_no.*>.

Entity Code/Event Code **73/13**

Decimal Identifier **16795917**

Severity: Info

Message: Service on Line <*line_no.*> LLIndex <*low_level_index_no.*> configuration deleted.

Meaning: You deleted the LAPB layer for Line <*line_no.*> LLIndex <*low_level_index_no.*>.

Entity Code/Event Code **73/14**

Decimal Identifier **16795918**

Severity: Info

Message: Service on Line <*line_no.*> LLIndex <*low_level_index_no.*> providing LAPB.

Meaning: LAPB is running normally. Initialization was successful and the link to the remote side is established.

Entity Code/Event Code **73/15**

Decimal Identifier **16795919**

Severity: Info

Message: Service withdrawn on Line <*line_no.*> LLIndex <*low_level_index_no.*>.

Meaning: There is an internal or external condition, resulting in the withdrawal of the LAPB service. The router will try to reinitialize and establish the link again.

Action: Check your configuration. If the problem continues, call the Bay Networks Technical Response Center.

LB Events

The Learning Bridge service, referred to as the LB entity, issues the following event messages. The entity code assigned to LB events is 1.

Fault Event

Entity Code/Event Code **1/1**

Decimal Identifier **16777473**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The bridge experienced a fatal error and is restarting automatically. The bridge will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the bridge fails to restart.

Warning Events

Entity Code/Event Code **1/75**

Decimal Identifier **16777547**

Severity: Warning

Message: The forwarding tables are full!

Meaning: The bridge software learned the maximum number of addresses you specified using Site Manager.

Action: You can increase the size of the forwarding table, or wait for the bridge to remove one or more addresses (for example, via a port down).

Entity Code/Event Code **1/76**

Decimal Identifier **16777548**

Severity: Warning

Message: The forwarding tables are no longer full!

Meaning: You increased the size of the forwarding table to accommodate additional addresses, or the bridge removed one or more one or more addresses from the forwardng table (for exmple, via a port down).

Info Events

Entity Code/Event Code **1/2**
Decimal Identifier **16777474**
Severity: Info
Message: Service initializing.
Meaning: The bridge is initializing.

Entity Code/Event Code **1/3**
Decimal Identifier **16777475**
Severity: Info
Message: Service terminating.
Meaning: The bridge is terminating.

Entity Code/Event Code **1/4**
Decimal Identifier **16777476**
Severity: Info
Message: Interface up on circuit <*circuit_no.*>.
Meaning: The bridge has come up on the specified circuit.

Entity Code/Event Code **1/5**
Decimal Identifier **16777477**
Severity: Info
Message: Interface down on circuit <*circuit_no.*>.
Meaning: The bridge has gone down on the specified circuit.

Entity Code/Event Code **1/6**
Decimal Identifier **16777478**
Severity: Info
Message: Bridge port <*circuit_no.*> changing state to <*state*>.
Meaning: The port on the specified circuit will be transitioned to the identified state.

Trace Event

Entity Code/Event Code **1/10**

Decimal Identifier **16777482**

Severity: Trace

Message: MAC addr <*source_address*> learned by cct <*circuit_1*> from cct <*circuit_2*>.

Meaning: A packet containing <*source address*> has been received on <*circuit_2*>, and the forwarding table for <*circuit_1*> has been duly modified.

LLC Events

The Logical Link Control service, referred to as the LLC entity, issues the following event messages. The entity code assigned to LLC events is 48.

Fault Event

Entity Code/Event Code **48/1**

Decimal Identifier **16789505**

Severity: Fault

Message: System error, service attempting restart.

Meaning: LLC experienced a fatal error and is restarting automatically. LLC will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center in your area if LLC fails to restart.

Info Events

Entity Code/Event Code **48/2**

Decimal Identifier **16789506**

Severity: Info

Message: LLC Service initializing.

Meaning: The LLC service is initializing on the router.

Entity Code/Event Code **48/3**

Decimal Identifier **16789507**

Severity: Info

Message: LLC Service terminating.

Meaning: The LLC service is terminating on the router.

Entity Code/Event Code **48/4**

Decimal Identifier **16789508**

Severity: Info

Message: LLC Service up on circuit <*circuit_name*>

Meaning: The LLC protocol entity has come up on the indicated physical circuit.

Entity Code/Event Code **48/5**

Decimal Identifier **16789509**

Severity: Info

Message: LLC Service down on circuit <*circuit_name*>

Meaning: The LLC protocol entity has gone down on the indicated physical circuit.

LNM Events

The LAN Network Manager service, referred to as the LNM entity, issues the following event messages. The entity code assigned to LNM events is 51.

Fault Event

Entity Code/Event Code **51/1**

Decimal Identifier **16790273**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The LNM server experienced a fatal error and is restarting automatically. The LNM server will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the LNM server fails to restart.

Warning Events

Entity Code/Event Code **51/45**

Decimal Identifier **16790317**

Severity: Warning

Message: Disabling REM will cut off error monitoring.

Meaning: When you disable the REM server agent associated with a particular ring, the IBM LAN Network Manager is unable to solicit information on hardware and software errors occurring on that ring.

Entity Code/Event Code **51/46**

Decimal Identifier **16790318**

Severity: Warning

Message: Disabling CRS will prevent the LAN Manager from initiating ring station operations.

Meaning: When you disable the CRS server agent for a particular ring, the IBM LAN Network Manager application is unable to

- Set parameters in stations attached to the ring
- Solicit configuration reports from stations attached to the ring
- Remove stations from the ring

Entity Code/Event Code **51/47**

Decimal Identifier **16790319**

Severity: Warning

Message: No REM present on ring.

Meaning: The REM server for the ring has not been enabled.

Entity Code/Event Code **51/48**

Decimal Identifier **16790320**

Severity: Warning

Message: No CRS present on ring.

Meaning: The CRS server for the ring has not been enabled.

Entity Code/Event Code **51/49**

Decimal Identifier **16790321**

Severity: Warning

Message: No RPS present on ring.

Meaning: The RPS server for the ring has not been enabled.

Entity Code/Event Code **51/50**

Decimal Identifier **16790322**

Severity: Warning

Message: LNM SR MIB SET to a slot failed. MIB object display may be incorrect.

Meaning: An attempt to set the value of an object in the Source Routing MIB failed. Site Manager may be indicating that the value did change, but the value established prior to the attempt may be unchanged.

Action: Reattempt the LNM SR MIB SET operation.

Info Events

Entity Code/Event Code **51/2**

Decimal Identifier **16790274**

Severity: Info

Message: Service initializing.

Meaning: The LNM service is initializing on the slot shown in the event log entry.

Entity Code/Event Code **51/3**

Decimal Identifier **16790275**

Severity: Info

Message: Service terminating.

Meaning: The LNM service is terminating on the slot shown in the event log entry.

Entity Code/Event Code **51/4**

Decimal Identifier **16790276**

Severity: Info

Message: LNM <*server_name*> up on circuit <*no.*>

Meaning: The LNM server named in the message is up on the indicated circuit.

Entity Code/Event Code **51/5**

Decimal Identifier **16790277**

Severity: Info

Message: LNM <*server_name*> down on circuit <*no.*>

Meaning: The LNM server named in the message is down on the indicated circuit.

Entity Code/Event Code **51/6**

Decimal Identifier **16790278**

Severity: Info

Message: Set password for link <*reporting_link_subvector_no.*>

Meaning: Notification to Site Manager that the password associated with the indicated reporting link has been defined or changed.

Entity Code/Event Code **51/7**

Decimal Identifier **16790279**

Severity: Info

Message: Set <*internal/external*> ring number to <*ring_no. (hex)*>

Meaning: Notification to Site Manager that a new ring number has been assigned to the ring indicated in the message.

Entity Code/Event Code **51/8**

Decimal Identifier **16790280**

Severity: Info

Message: LNM Server <*server_name*> set to <*on/off*>.

Meaning: Notification to Site Manager that the state of the server indicated in the Events Manager window has been changed to On or Off.

Entity Code/Event Code **51/9**

Decimal Identifier **16790281**

Severity: Info

Message: Interface up on circuit <*no.*>

Meaning: Notification to Site Manager that the LNM server interface on the circuit indicated in the Events Manager window is up.

Entity Code/Event Code **51/10**

Decimal Identifier **16790282**

Severity: Info

Message: Interface down on circuit <*no.*>

Meaning: Notification to Site Manager that the LNM server interface on the circuit indicated in the Events Manager window is down.

Entity Code/Event Code **51/12**

Decimal Identifier **16790284**

Severity: Info

Message: Generated <*error_vector_no. (hex)*>

Meaning: The LNM server generated the error indicated by the number in the Events Manager window.

Entity Code/Event Code **51/14**

Decimal Identifier **16790286**

Severity: Info

Message: Beaconing on ring <*ring_no. (hex)*>

Meaning: A ring station downstream from a faulty station has recognized the existence of a hard-error condition on the ring, and is transmitting Beacon MAC frames. The error condition is degrading ring performance.

Entity Code/Event Code **51/15**

Decimal Identifier **16790287**

Severity: Info

Message: Ring <*ring_no. (hex)*> recovered from beaconing condition.

Meaning: A hard-error condition that occurred on the designated ring has disappeared. The ring is operating properly.

Entity Code/Event Code **51/59**

Decimal Identifier **16790331**

Severity: Info

Message: Set <*MIB_object*> to <*object_value (hex)*>

Meaning: The indicated MIB object has been set to the hexadecimal value shown in the message.

Entity Code/Event Code **51/60**

Decimal Identifier **16790332**

Severity: Info

Message: Set <*MIB_object*> to <*object_value (text)*>

Meaning: The indicated MIB object has been set to the text value shown in the message.

LOADER Events

The Dynamic Loader service, referred to as the LOADER entity, issues the following event messages. The entity code assigned to LOADER events is 55.

Fault Event

Entity Code/Event Code **55/1**

Decimal Identifier **16791297**

Severity: Fault

Message: System error, loader gate attempting restart.

Meaning: The Dynamic Loader experienced a fatal error and the operating system is restarting.

Action: Call the Bay Networks Technical Response Center if the system fails to restart.

Warning Events

Entity Code/Event Code **55/5**

Decimal Identifier **16791301**

Severity: Warning

Message: Invalid instance of Loader <*instance_ID*> record found — invalidating

Meaning: An invalid instance ID was detected on one of the software load records for wfProtocols, wfDrivers, or wfLinkModules.

Action: Configure the router or BNX platform with the correct instance ID.

Entity Code/Event Code **55/6**

Decimal Identifier **16791302**

Severity: Warning

Message: <*link_modules*><*drivers*> on slot <*slot_no.*> misconfigured — ignoring

Meaning: An improper number of link modules or drivers were configured on a slot.

Action: Configure one link module per slot with the correct drivers.

Entity Code/Event Code **55/8**

Decimal Identifier **16791304**

Severity: Warning

Message: Can't find active boot image <*release_ID*>, searching volumes for another image

Meaning: The boot image that was originally booted cannot be found. The file system volume may have been moved to another slot, or the image may have been renamed.

Action: Ensure that the Dynamic Loader is able to locate the image and load all applications. If not, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/9**

Decimal Identifier **16791305**

Severity: Warning

Message: Could not obtain <*filename*> application... not loaded

Meaning: The Dynamic Loader was unable to locate an image, so it could not load the named application.

Action: Ensure that the file system is accessible and that the image is present. If not, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/10**

Decimal Identifier **16791306**

Severity: Warning

Message: Checksum of <*filename*> file header failed... not loaded

Meaning: An application's loader checksum failed, so it could not be loaded.

Action: Use the **readexe** Technician Interface command on the image file and check the results. Call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/11**

Decimal Identifier **16791307**

Severity: Warning

Message: Checksum of <*release_ID*> image failed... not loaded

Meaning: An application's image checksum failed, so it couldn't be loaded.

Action: Use the **readexe** Technician Interface command on the image file and check the results. Call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/12**

Decimal Identifier **16791308**

Severity: Warning

Message: Decompression of <*release_ID*> image failed... not loaded

Meaning: An application module did not decompress successfully. Call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/13**

Decimal Identifier **16791309**

Severity: Warning

Message: Checksum of uncompressed <*release_ID*> image failed... not loaded

Meaning: An application module did not decompress successfully.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/14**

Decimal Identifier **16791310**

Severity: Warning

Message: Dynamic Loader unable to allocate enough memory to load application

Meaning: There is not enough free memory on the slot to load an application.

Action: If possible, free up the memory by unloading another existing application.

Entity Code/Event Code **55/23**

Decimal Identifier **16791319**

Severity: Warning

Message: Checksum failure: expected = <*checksum*>, actual = <*checksum*>, retrying...

Meaning: The Dynamic Loader encountered a checksum error when loading an application module, so it will try to reload the application.

Action: Call the Bay Networks Technical Response Center if the Dynamic Loader's retries continue to fail.

Entity Code/Event Code **55/31**

Decimal Identifier **16791327**

Severity: Warning

Message: Slot <*slot_no.*> dyn loader has incompatible revision <*rev_level*>, upgrade to <*rev_level*>

Meaning: LOADER has detected another LOADER image on the specified slot.

Action: Call the Bay Networks Technical Response Center for compatibility information.

Entity Code/Event Code **55/34**

Decimal Identifier **16791330**

Severity: Warning

Message: Loader detected incompatible kernel images across slots

Meaning: The Dynamic Loader detected different kernel images running within the router or BNX.

Action: Ensure that the same image is running on all slots. Check that the router software image is the same on all file systems.

Entity Code/Event Code **55/39**

Decimal Identifier **16791335**

Severity: Warning

Message: Module <*link_module*>, rev <*release_ID*>, is incompatible with kernel rev <*release_ID*>

Meaning: The Dynamic Loader detected an application module with a revision that's different from the kernel's revision.

Action: All applications in a router software image must be from the same release as the kernel. Check their stamps by using the Image Builder or **readexe** Technician Interface command.

Entity Code/Event Code **55/44**

Decimal Identifier **16791340**

Severity: Warning

Message: TFTP Client gate is unavailable for remote down-load

Meaning: TFTP, which is necessary for remote dynamic loading, is not available. TFTP may become available later, at which time other images or string files can load.

Action: Use Site Manager or the Technician Interface to unload and then reload the failed application on the slot. If the error recurs, disable and then enable the IP interface on which TFTP is failing. If the error persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/45**

Decimal Identifier **16791341**

Severity: Warning

Message: Down-loader request to TFTP Client gate was not accepted

Meaning: TFTP refused to accept a file transfer request. The current image or string file will not be loaded.

Action: Use Site Manager or the Technician Interface to unload and then reload the failed application on the slot. If the error recurs, disable and then enable the IP interface on which TFTP is failing. If the error persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/46**

Decimal Identifier **16791342**

Severity: Warning

Message: TFTP Client gate reported error <*error_code*> loading file <*filename*>.

Meaning: A general or unknown TFTP error occurred during the transfer of the image or string file; the file was not loaded.

Action: Use Site Manager or the Technician Interface to unload and then reload the failed application on the slot. If the error recurs, disable and then enable the IP interface on which TFTP is failing. If the error persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/73**

Decimal Identifier **16791369**

Severity: Warning

Message: Module <*module_no.*> does not support platform type <*key_1*> <*key_2*>

Meaning: This loadable image is not supported by your processor. The keys are used by the Bay Networks Technical Response Center to diagnose differences between the loadable application and the processor.

Action: Check your configuration and verify you have the right loadable image for your processor. If the error persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **55/75**

Decimal Identifier **16791371**

Severity: Warning

Message: Module <*module_no.*> not for this platform family <*key_1*> <*key_2*>

Meaning: This loadable image is not supported by your family of processors (example — backbone node routers). The keys are used by the Bay Networks Technical Response Center to diagnose differences between the loadable application and the processor family.

Action: Call the Bay Networks Technical Response Center.

Trace Events

Entity Code/Event Code **55/36**

Decimal Identifier **16791332**

Severity: Trace

Message: File system access granted to <*hex_value*>, application <*entity*>

Meaning: The specified software entity has gained access to the router or BNX file system.

Entity Code/Event Code **55/37**

Decimal Identifier **16791333**

Severity: Trace

Message: File system wait indication given to <*hex_value*>, application <*entity*>

Meaning: The specified software entity is pending access to the router or BNX file system.

Entity Code/Event Code **55/38**

Decimal Identifier **16791334**

Severity: Trace

Message: File system access rejected for <*hex_value*>, application <*entity*>

Meaning: The specified software entity has been denied access to the router or BNX file system.

Chapter 6
Event Messages (MCT1 through OSPF)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from MCT1 through OSPF. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

MCT1 Events

The DS1E1 entity issues Multichannel T1 (MCT1) event messages. See the "DS1E1 Events" section.

MIB Events

The Management Information Base service, referred to as the MIB entity, issues the following event messages. The entity code assigned to MIB events is 13.

Fault Event

Entity Code/Event Code	**13/1**
Decimal Identifier	**16780545**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	MIB experienced a fatal error and is restarting automatically. MIB will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center in your area if MIB fails to restart.

Warning Event

Entity Code/Event Code **13/2**

Decimal Identifier **16780546**

Severity: Warning

Message: Configuration file is CORRUPTED, ignoring.

Meaning: MIB detected that the configuration file was corrupt. MIB will boot with no configuration, or with a partial configuration.

Action: Repair the configuration file or install your backup file.

Entity Code/Event Code **13/67**

Decimal Identifier **16780611**

Severity: Warning

Message: System Midplane revision is out of date. Please contact Customer Support.

Meaning: The software entity has detected a possible hardware or compatibility problem.

Action: Call the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **13/3**

Decimal Identifier **16780547**

Severity: Info

Message: Service initializing.

Meaning: MIB is initializing.

Entity Code/Event Code **13/4**

Decimal Identifier **16780548**

Severity: Info

Message: Using config file '<*filename*>', to populate MIB

Meaning: MIB is using the named configuration file to initialize the management information base.

Entity Code/Event Code **13/5, 13/6, 13/7, 13/8, 13/9, or 13/10**

Decimal Identifier **16780549 to 16780554**

Severity: Info

Message: <*object*><*attribute*><*instance_ID*> set to <*value*>

Meaning: MIB has set the specified MIB variable to the indicated value.

Entity Code/Event Code **13/11**

Decimal Identifier **16780555**

Severity: Info

Message: Opaque object <*object*><*attribute*><*instance_ID*> was set.

Meaning: MIB has set the specified opaque (and consequently nondisplayable) variable.

MODEMIF Events

The Modem Interface service, referred to as the MODEMIF entity, issues the following event messages. The entity code assigned to MODEMIF events is 57.

Fault Events

Entity Code/Event Code **57/1**

Decimal Identifier **16791809**

Severity: Fault

Message: Connector COM <*connector_no.*> Modem I/F Line Control Gate Died.

Meaning: A software fault occurred. The line will restart automatically.

Entity Code/Event Code **57/2**

Decimal Identifier **16791810**

Severity: Fault

Message: Connector COM <*connector_no.*>: failed to send indication to modem i/f gate

Meaning: A software fault occurred. The line will restart automatically.

Warning Events

Entity Code/Event Code **57/3**

Decimal Identifier **16791811**

Severity: Warning

Message: Connector COM <*connector_no.*>: modem not present, V.25bis mode

Meaning: A line configured for V.25bis does not sense the presence of the modem/terminal adapter device.

Action: Check the status of the modem/terminal adapter device.

Entity Code/Event Code **57/4**

Decimal Identifier **16791812**

Severity: Warning

Message: Connector COM <*connector_no.*>: no number supplied, V.25bis mode

Meaning: You failed to configure a telephone number that the modem/terminal adapter will use to establish a connection to a WAN.

Action: Use Site Manager or the Technician Interface to configure a telephone number for the modem/terminal adapter.

Entity Code/Event Code **57/14**

Decimal Identifier **16791822**

Severity: Warning

Message: Connector COM <*connector_no.*>: out of message buffers, pkts dropped

Meaning: The router could not allocate a buffer.

Entity Code/Event Code **57/41**

Decimal Identifier **16791849**

Severity: Warning

Message: Connector COM <*connector_no.*>: Adapter did not accept CRN command

Meaning: The modem/terminal adapter did not accept the telephone number.

Action: Wait for retry attempts to complete.

Entity Code/Event Code **57/42**

Decimal Identifier **16791850**

Severity: Warning

Message: Connector COM <*connector_no.*>: Adapter did not accept CIC command

Meaning: The modem/terminal adapter failed to receive the router's Connect Incoming Call (CIC) message.

Action: Disable and then enable the synchronous line. Check the telephone numbers configured for the modem/terminal adapter.

Entity Code/Event Code **57/43**

Decimal Identifier **16791851**

Severity: Warning

Message: Connector COM <*connector_no.*>: Adapter did not accept DIC command

Meaning: The modem/terminal adapter failed to receive the router's Disconnect Incoming Call message.

Action: Disable and then enable the synchronous line. Check the telephone numbers configured for the modem/terminal adapter.

Entity Code/Event Code **57/48**

Decimal Identifier **16791856**

Severity: Warning

Message: Connector COM <*connector_no.*>: Adapter error = <*error_code*>

Meaning: The connection cannot be made, because the modem/terminal adapter has logged an error condition. Possible error codes are

ET	engaged tone
NS	number not stored
CB	local DCE busy
RT	ring tone
AB	abort call
NT	answer tone not detected
FC	forbidden call
CU	command unknown
MS	message syntax error
PS	parameter syntax error
PV	parameter value error

Action: Refer to your modem documentation for instructions on handling the specified error condition.

Entity Code/Event Code **57/57**

Decimal Identifier **16791865**

Severity: Warning

Message: Connector COM <*connector_no.*>: Received packets while waiting for CTS.

Meaning: The router received packets while waiting for CTS. The packets are dropped.

Entity Code/Event Code **57/58**

Decimal Identifier **16791866**

Severity: Warning

Message: Connector COM <*connector_no.*>: Received packets while in the down state.

Meaning: The router received packets while it was not connected to a WAN. The packets are dropped.

Entity Code/Event Code **57/59**

Decimal Identifier **16791867**

Severity: Warning

Message: Connector COM <*connector_no.*>: Received phone number length <*length*>.

Meaning: The router received an incoming telephone number that is too long. The router truncated the number.

Action: Check the telephone number configured on the calling side.

Entity Code/Event Code **57/60**

Decimal Identifier **16791868**

Severity: Warning

Message: Connector COM <*connector_no.*>: Received subaddress length > <*length*>.

Meaning: The router received a subaddress (telephone extension) that is too long. The router truncated the number.

Action: Check the subaddress configured on the calling side.

Entity Code/Event Code **57/61**

Decimal Identifier **16791869**

Severity: Warning

Message: Connector COM <*connector_no.*>: unknown char = <*character*>.

Meaning: The router detected an unknown character in either the telephone number or subaddress of the calling telephone number on an incoming call.

Action: Check the telephone number configuration on the calling side.

Entity Code/Event Code **57/62**

Decimal Identifier **16791870**

Severity: Warning

Message: Connector COM <*connector_no.*>: received indication too short, len = <*length*>

Meaning: The router received a frame that is too short to contain an ISDN command.

Entity Code/Event Code **57/63**

Decimal Identifier **16791871**

Severity: Warning

Message: Connector COM <*connector_no.*>: received unknown indication — <*indication*>.

Meaning: The router received an unknown ISDN command.

Entity Code/Event Code **57/69**

Decimal Identifier **16791877**

Severity: Warning

Message: Connector COM <*connector_no.*>: internal error bad mgmt type (type = <*type*>)

Meaning: The channel management type configured is not valid.

Action: Use Site Manager or the Technician Interface to check the channel management type.

Info Events

Entity Code/Event Code **57/5**

Decimal Identifier **16791813**

Severity: Info

Message: Connector COM <*connector_no.*>: Starting, raise dtr mode, is modem connected and turned on?

Meaning: The specified interface came up in Raise DTR mode.

Entity Code/Event Code **57/6**

Decimal Identifier **16791814**

Severity: Info

Message: Connector COM <*connector_no.*>: Site Manager requested line to be started

Meaning: You enabled force dial. The modem/terminal adapter will dial the telephone number immediately.

Entity Code/Event Code **57/7**

Decimal Identifier **16791815**

Severity: Info

Message: Connector COM <*connector_no.*>: Site Manager requested line to be stopped

Meaning: You enabled force hangup. The modem/terminal adapter will disconnect the call immediately.

Entity Code/Event Code **57/22**

Decimal Identifier **16791830**

Severity: Info

Message: Connector COM <*connector_no.*>: enable requested on cct <*circuit_no.*>

Meaning: The router enabled the specified circuit.

Entity Code/Event Code **57/31**

Decimal Identifier **16791839**

Severity: Info

Message: Connector COM <*connector_no.*>: Connection established.

Meaning: The router established a connection on the specified interface.

Entity Code/Event Code **57/44**

Decimal Identifier **16791852**

Severity: Info

Message: Connector COM <*connector_no.*>: Received call

Meaning: The router received a call for the specified interface.

Entity Code/Event Code **57/46**

Decimal Identifier **16791854**

Severity: Info

Message: Connector COM <*connector_no.*>: Received a connect indication (CNX)

Meaning: The router received a connect indication from the modem/terminal adapter on the specified interface.

Entity Code/Event Code **57/51**

Decimal Identifier **16791859**

Severity: Info

Message: Connector COM <*connector_no.*>: Circuit has been brought down.

Meaning: The router brought down the circuit on the specified interface.

Entity Code/Event Code **57/52**

Decimal Identifier **16791860**

Severity: Info

Message: Connector COM <*connector_no.*>: Circuit has been brought up.

Meaning: The router brought up the circuit on the specified interface.

Trace Events

Entity Code/Event Code **57/8**

Decimal Identifier **16791816**

Severity: Trace

Message: Connector COM <*connector_no.*>: configured take down time has been reached

Meaning: The takedown time configured for the connection has been reached. The router will disconnect the line.

Entity Code/Event Code **57/18**

Decimal Identifier **16791826**

Severity: Trace

Message: Connector COM <*connector_no.*>: DCE set DSR while waiting for CTS

Meaning: DSR came up while DTE was waiting for CTS. The router and the modem/terminal adapter are not in sync. If you configured a retry delay, the router disconnects the line and attempts to reestablish the connection.

Entity Code/Event Code **57/19**

Decimal Identifier **16791827**

Severity: Trace

Message: Connector COM <*connector_no.*>: DCE set DSR while waiting for IND

Meaning: DSR came up while DTE is waiting for indication or data to be available. The router and the modem/terminal adapter are not in sync. If you configured a retry delay, the router disconnects the line and attempts to reestablish the connection.

Entity Code/Event Code **57/20**

Decimal Identifier **16791828**

Severity: Trace

Message: Connector COM <*connector_no.*>: DCE set DSR while sending DIC

Meaning: DSR came up after DCE sent a DIC. The router and the modem/terminal adapter are not in sync. If you configured a retry delay, the router disconnects the line and attempts to reestablish the connection.

Entity Code/Event Code **57/21**

Decimal Identifier **16791829**

Severity: Trace

Message: Connector COM <*connector_no.*>: DCE set DSR TRUE before DTE sent <*command*>

Meaning: DCE set DSR before DTE sent the specified command. The router and the modem/ terminal adapter are not in sync. If you configured a retry delay, the router disconnects the line and attempts to reestablish the connection.

Entity Code/Event Code **57/26**

Decimal Identifier **16791834**

Severity: Trace

Message: Connector COM <*connector_no.*>: adapter not responding with CTS line

Meaning: The router timed out while waiting for CTS.

Entity Code/Event Code **57/27**

Decimal Identifier **16791835**

Severity: Trace

Message: Connector COM <*connector_no.*>: Connection timeout, retry in progress

Meaning: The router timed out while trying to make a connection and is attempting again to make a connection.

Entity Code/Event Code **57/28**

Decimal Identifier **16791836**

Severity: Trace

Message: Connector COM <*connector_no.*>: Connection retry in progress

Meaning: The router timed out while trying to make a connection and is attempting again to make a connection.

Entity Code/Event Code **57/29**

Decimal Identifier **16791837**

Severity: Trace

Message: Connector COM <*connector_no.*>: Connection establishment time-out.

Meaning: A timeout occurred while the router was trying to establish a connection.

Entity Code/Event Code **57/30**

Decimal Identifier **16791838**

Severity: Trace

Message: Connector COM <*connector_no.*>: Connection inactivity timeout.

Meaning: The connection timed out due to inactivity.

Entity Code/Event Code **57/32**

Decimal Identifier **16791840**

Severity: Trace

Message: Connector COM <*connector_no.*>: DSR lost connection closed.

Meaning: The router is closing the connection, because it no longer sees DSR (the calling side has gone down).

Entity Code/Event Code **57/33**

Decimal Identifier **16791841**

Severity: Trace

Message: Connector COM <*connector_no.*>: Carrier lost connection closed.

Meaning: The router is closing the connection, because the carrier is lost.

Entity Code/Event Code **57/34**

Decimal Identifier **16791842**

Severity: Trace

Message: Connector COM <*connector_no.*>: DATA Available.

Meaning: Data is available on the specified interface.

Entity Code/Event Code **57/35**

Decimal Identifier **16791843**

Severity: Trace

Message: Connector COM <*connector_no.*>: Sent CRN cmd to <*phone_no.*>.

Meaning: The router sent a dial command on the specified interface.

Entity Code/Event Code **57/36**
Decimal Identifier **16791844**
Severity: Trace
Message: Connector COM <*connector_no.*>: Sent CIC cmd to connect call.
Meaning: The router accepted an incoming call.

Entity Code/Event Code **57/37**
Decimal Identifier **16791845**
Severity: Trace
Message: Connector COM <*connector_no.*>: Sent DIC cmd to disconnect call
Meaning: The router is disconnecting a call.

Entity Code/Event Code **57/38**
Decimal Identifier **16791846**
Severity: Trace
Message: Connector COM <*connector_no.*>: Adapter accepted CRN command
Meaning: The modem/terminal adapter accepted the CRN dial command from the router.

Entity Code/Event Code **57/39**
Decimal Identifier **16791847**
Severity: Trace
Message: Connector COM <*connector_no.*>: Adapter accepted CIC command
Meaning: The modem/terminal adapter accepted the CIC dial command from the router.

Entity Code/Event Code **57/40**
Decimal Identifier **16791848**
Severity: Trace
Message: Connector COM <*connector_no.*>: Adapter accepted DIC command
Meaning: The modem/terminal adapter has accepted the DIC dial command from the router.

Entity Code/Event Code **57/45**

Decimal Identifier **16791853**

Severity: Trace

Message: Connector COM <*connector_no.*>: Received call dropped (number not allowed)

Meaning: The router has rejected a call, because the number is not on the list of telephone numbers from which the router accepts calls. Use Site Manager or the Technician Interface to get the list of numbers that will be accepted by the router.

Entity Code/Event Code **57/47**

Decimal Identifier **16791855**

Severity: Trace

Message: Connector COM <*connector_no.*>: Received a connect fail indication (CFI)

Meaning: The router received a connect fail indication while trying to establish a connection.

Entity Code/Event Code **57/53**

Decimal Identifier **16791861**

Severity: Trace

Message: Connector COM <*connector_no.*>: CTS has come up.

Meaning: The router detected CTS.

Entity Code/Event Code **57/54**

Decimal Identifier **16791862**

Severity: Trace

Message: Connector COM <*connector_no.*>: DSR has come up.

Meaning: The router detected DTR.

Entity Code/Event Code **57/55**

Decimal Identifier **16791863**

Severity: Trace

Message: Connector COM <*connector_no.*>: Carrier has come up.

Meaning: The carrier has come up.

Entity Code/Event Code **57/56**

Decimal Identifier **16791864**

Severity: Trace

Message: Connector COM <*connector_no.*>: CTS has gone down.

Meaning: CTS has gone down on the specified interface.

Entity Code/Event Code **57/66**

Decimal Identifier **16791874**

Severity: Trace

Message: Connector COM <*connector_no.*>: retry delay in progress <*no.*> secs

Meaning: The router received a UP request while the line was disconnected and there is a retry delay in progress. The UP will be processed after the delay period has expired.

MODULE Events

The module driver service, referred to as the MODULE entity, issues the following event messages. The entity code assigned to MODULE events is 21.

Fault Event

Entity Code/Event Code **21/1**

Decimal Identifier **16782593**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Module driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Determine whether the FAIL LED on each link module is off. Call the Bay Networks Technical Response Center if the driver fails to restart.

Entity Code/Event Code **21/24**

Decimal Identifier **16782593**

Severity: Fault

Message: Fatal error on Co-processor <*no.*>, error block located at <*memory_address*>.

Meaning: The co-processor experienced a fatal error. This message may indicate a problem with the link or net module, or a problem with the software.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Warning Events

Entity Code/Event Code **21/2**

Decimal Identifier **16782594**

Severity: Warning

Message: I/O module is not present.

Meaning: A link or net module that was previously installed is no longer present.

Action: Ensure that the hardware module is properly seated in the router or BNX platform, or modify the configuration to represent the new module type.

Entity Code/Event Code **21/3**

Decimal Identifier **16782595**

Severity: Warning

Message: I/O module has been removed.

Meaning: A hardware module has been removed.

Entity Code/Event Code **21/4**

Decimal Identifier **16782596**

Severity: Warning

Message: I/O module PROM error.

Meaning: The module detected an error with the serial number PROM on the link or net module in the specified slot.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **21/5**

Decimal Identifier **16782597**

Severity: Warning

Message: I/O module is the wrong type.

Meaning: The hardware module slot number association does not match the software configuration. This is probably due to an error made during a hot-swap procedure.

Action: Insert the hardware module into its previous slot or modify the configuration to represent the new module type.

Entity Code/Event Code **21/9**

Decimal Identifier **16782601**

Severity: Warning

Message: I/O module is not supported by this CPU platform.

Meaning: The CPU does not support the link module.

Action: Use a link module type that the router or BNX platform supports.

Entity Code/Event Code **21/10**

Decimal Identifier **16782602**

Severity: Warning

Message: Bad message received by module driver.

Meaning: The module driver processes messages from the line drivers when the line drivers initialize. This event indicates that the module driver received a message that it did not recognize.

Entity Code/Event Code **21/13**

Decimal Identifier **16782605**

Severity: Warning

Message: Could not load the image <*filename*> into memory.

Meaning: The software failed to locate a co-processor image within the software image.

Action: Enter the Technician Interface **readexe** <*image_name*> command to verify a checksum for the software image to make sure it is OK, and to make sure it contains the co-processor image named <*filename*>. If the co-processor image named <*filename*> is not in the software image, use Image Builder to add the <*filename*> to the image. If the co-processor image named <*fil_name*> is in the software image, report the problem to the Bay Networks Technical Response Center.

Entity Code/Event Code **21/14**

Decimal Identifier **16782606**

Severity: Warning

Severity: The Link Module did not respond after being reset.

Meaning: The co-processor failed to notify the processor that it completed a reset. This message may indicate a problem with the link or net module.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Entity Code/Event Code **21/15**

Decimal Identifier **16782607**

Severity: Warning

Message: Co-processor <*no.*> did not respond to a command.

Meaning: The co-processor failed to respond to a command from the processor. This message may indicate a problem with the link or net module.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Entity Code/Event Code **21/16**

Decimal Identifier **16782608**

Severity: Warning

Message: Co-processor <*no.*> encountered an illegal exception.

Vector Number	<*no.*>
Format	<*no.*>
Status Register	<*no.*>
Program Counter	<*no.*>
Fault Address	<*no.*>
Stack Pointer	<*no.*>

Meaning: A co-processor took an illegal exception and saved its state so that the MODULE entity could log all information about it into this message. If the fault address is valid, a faulty link or net module is causing the problem. If the fault address is invalid, the software is causing the problem.

Action: Call the Bay Networks Technical Response Center and report the data provided in the message.

Entity Code/Event Code **21/17**

Decimal Identifier **16782609**

Severity: Warning

Message: Co-processor <*no.*> has not responded to the Heartbeat poll.

Meaning: The co-processor is not operating and is probably hung. This message may indicate a problem with the link or net module.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Entity Code/Event Code **21/18**

Decimal Identifier **16782610**

Severity: Warning

Message: Co-processor <*no.*>: Fatal error at line number <*no.*> in <*filename*>

Meaning: The co-processor detected a fatal error in the line and file indicated.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Entity Code/Event Code **21/19**

Decimal Identifier **16782611**

Severity: Warning

Message: Co-processor <*no.*> Software encountered an unknown error: <*address_of_error_block*>.

Meaning: The co-processor took a fatal error. However, the error block where the co-processor saved the type of error is invalid. This message may indicate a problem with the link or net module.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Entity Code/Event Code **21/23**

Decimal Identifier **16782615**

Severity: Warning

Message: Code download to Net Module failed at Module Location <*slot_no.*>.

Meaning: The processor failed to verify whether the image downloaded to the co-processor was valid.

Action: Replace the link or net module.

Entity Code/Event Code **21/25**

Decimal Identifier **16782617**

Severity: Warning

Message: Co-processor <*no.*> detected IDMA <*no.*> hung, restarted

Meaning: A co-processor IDMA (Independent Direct-Memory Access) controller hung. The IDMA is a hardware resource that transmits data from the link or net module to the processor board. This message may indicate a problem with the link or net module.

Action: Call the Bay Networks Technical Response Center if this message appears frequently.

Info Events

Entity Code/Event Code **21/6**

Decimal Identifier **16782598**

Severity: Info

Message: <*module*> I/O module is present.

Meaning: The hardware module indicated, previously removed, is present.

Entity Code/Event Code **21/7**

Decimal Identifier **16782599**

Severity: Info

Message: Service initializing.

Meaning: The module driver is initializing.

NBASE Events

The NBASE entity issues the following event messages. The entity code assigned to NBASE events is 75.

Fault Event

Entity Code/Event Code **75/1**

Decimal Identifier **16796417**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The NBASE driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the NBASE driver fails to restart.

Info Events

Entity Code/Event Code **75/2**

Decimal Identifier **16796418**

Severity: Info

Message: NBASE Service initializing.

Meaning: NBASE is starting.

Entity Code/Event Code **75/3**

Decimal Identifier **16796419**

Severity: Info

Message: NBASE Service terminating.

Meaning: NBASE is stopping.

NBIP Events

The NetBIOS over IP service, referred to as the NBIP entity, issues the following event messages. The entity code assigned to NBIP events is 77.

Fault Event

Entity Code/Event Code **77/1**

Decimal Identifier **16796929**

Severity: Fault

Message: System Error, service attempting restart

Meaning: The router experienced the fatal error <*fatal_error_message*> and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Warning Events

Entity Code/Event Code **77/2**

Decimal Identifier **16796930**

Severity: Warning

Message: Invalid NetBIOS over IP packet received

Meaning: NetBIOS has detected a packet with an invalid format such as a corrupted length or offset information.

Action: Analyze the network for the offending station.

Entity Code/Event Code **77/3**

Decimal Identifier **16796931**

Severity: Warning

Message: Invalid NetBIOS over IP name

Meaning: An illegal name was configured for a static NetBIOS name entry.

Action: Check and, if necessary, redo the configuration.

Info Events

Entity Code/Event Code **77/4**

Decimal Identifier **16796932**

Severity: Info

Message: Service initializing

Meaning: The NBIP entity is executing startup procedures which include reading pertinent information and starting the NBIP interface where appropriate.

Entity Code/Event Code **77/5**

Decimal Identifier **16796933**

Severity: Info

Message: Interface %d.%d.%d.%d up

Meaning: A given NBIP interface that is associated with the displayed interface has been created, initialized, and activated.

Entity Code/Event Code **77/6**

Decimal Identifier **16796934**

Severity: Info

Message: Interface %d.%d.%d.%d down

Meaning: A given NBIP interface that is associated with the displayed interface has been disabled.

Entity Code/Event Code **77/7**

Decimal Identifier **16796935**

Severity: Info

Message: Service terminating

Meaning: All NBIP functionality has stopped.

NLSP Events

The Network Link State Protocol, referred to as the NLSP entity, issues the following event messages. The entity code assigned to NLSP events is 97.

Fault Event

Entity Code/Event Code **97/2**

Decimal Identifier **16802050**

Severity: Fault

Message: System error, service attempting restart

Meaning: The router experienced a fatal error and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Entity Code/Event Code **97/3**

Decimal Identifier **16802051**

Severity: Fault

Message: System error: <*reason_code*> service attempting restart

Meaning: The router experienced a fatal error and is restarting automatically. The Bay Networks Technical Response Center uses the reason code field to determine the probable cause of the error. (Do not try to figure out the meaning of this code yourself.) The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. If possible, correct the condition indicated by the reason code. Call the Bay Networks Technical Response Center if the router fails to restart.

Warning Events

Entity Code/Event Code **97/27**

Decimal Identifier **16802075**

Severity: Warning

Message: NLSP local DEMUX gate died on this slot <*slot_no.*>

Meaning: The core module in NLSP terminated abnormally on the specified local slot.

Action: Wait to see if NLSP restarts. If it does not, reboot the local router.

Entity Code/Event Code **97/28**

Decimal Identifier **16802076**

Severity: Warning

Message: NLSP remote DEMUX gate died on slot <*slot_no.*>

Meaning: The core module in NLSP terminated abnormally on the specified slot.

Action: Wait to see if NLSP restarts. If it does not, reboot the router.

Entity Code/Event Code **97/29**

Decimal Identifier **16802077**

Severity: Warning

Message: Could not find internal network number configured for this system. Use 0x0.

Meaning: The NLSP module could not find the internal network number from the configuration file for this router and used the network number 0x0.

Action: Check to make sure that NLSP is configured correctly. Reconfigure the appropriate NLSP global parameter, if necessary.

Entity Code/Event Code **97/31**

Decimal Identifier **16802079**

Severity: Warning

Message: NLSP Interface with Circuit Index <*index_no.*> does not have an IPX interface.

Meaning: The specified NLSP interface on the router does not have IPX configured on it.

Action: Delete the interface and reconfigure with IPX and NLSP.

Entity Code/Event Code **97/33**

Decimal Identifier **16802081**

Severity: Warning

Message: Incoming IPX packet of packet length <*bytes*> exceeds size of a buffer. Drop.

Meaning: The NLSP router received an IPX packet that was too long and the router dropped the packet.

Action: Reconfigure the router's system buffer size and restart the router. Consider anticipated growth in the number of neighbors when estimating the new buffer size.

Entity Code/Event Code **97/40**

Decimal Identifier **16802088**

Severity: Warning

Message: Incorrect <*MIB_record_name*> instance ID length. Should be <*no.*> bytes. Configuration record removed.

Meaning: The specified MIB record was not correctly configured.

Action: Check to make sure that NLSP is configured correctly. Reconfigure the specified MIB record, if necessary.

Entity Code/Event Code **97/41**

Decimal Identifier **16802089**

Severity: Warning

Message: Area ID <*area_ID*> configured for NLSP interface with Circuit Index <*index_no.*> does not exist.

Meaning: NLSP cannot find the MIB record for the specified area that the specified NLSP router interface claims to belong to.

Action: Check to make sure that the area that the NLSP interface is configured to belong to is valid. Reconfigure the NLSP interface, if necessary.

Entity Code/Event Code **97/42**

Decimal Identifier **16802090**

Severity: Warning

Message: Interface with circuit index <*index_no.*> configured on area ID <*area_ID*> does not have valid area alias configured.

Meaning: The area alias for the specified area was not configured correctly.

Action: Use Site Manager to check the area alias configuration. For instructions, see *Configuring NLSP Services*.

Entity Code/Event Code **97/44**

Decimal Identifier **16802092**

Severity: Warning

Message: MTU size <*no.*> on NLSP interface with circuit index <*index_no..*> received from IPX is too <*small/large*>, correct it to have default size <*number.*>.

Meaning: The Maximum Transmission Unit (MTU) size of the specified interface that the IPX module informs NLSP modules of is invalid. NLSP changed the packet size to the default.

Action: Use Site Manager to verify that the indicated default MTU size for the specified interface is the size that you want the MTU to be. Reconfigure if necessary.

Entity Code/Event Code **97/45**

Decimal Identifier **16802093**

Severity: Warning

Message: <*area_address* or *area_mask*> configured is <*number.* > octets long. <*area_address* or *area_mask*> should be <*no.* > octets long.

Meaning: The area address or area mask configured for the router is not 4 bytes long.

Action: Reconfigure the area address or area mask for the router to be 4 bytes long.

Entity Code/Event Code **97/46**

Decimal Identifier **16802094**

Severity: Warning

Message: Area Address <*area_address*> configured for Area ID <*area_ID*> does not conform to mask <*area_mask.*>. Address portion should be <*area_address*>.

Meaning: An inconsistency exists between the specified area address configuration and its mask.

Action: Use Site Manager to correct the area address configuration. For instructions, see *Configuring NLSP Services*.

Entity Code/Event Code **97/48**

Decimal Identifier **16802096**

Severity: Warning

Message: IPX interface network number <*IPX_network_no.*> on Circuit Index <*index_no.*> does not conform to NLSP Area configuration. NLSP interface will NOT transit to UP state.

Meaning: The NLSP interface for the indicated circuit cannot come up because the configured IPX network number does not fall into the area address.

Action: Use Site Manager to change the network number of the interface to one that complies with the Area Address rule: the network number/mask combination must fall within the area. For instructions, see *Configuring NLSP Services*.

Entity Code/Event Code **97/49**

Decimal Identifier **16802097**

Severity: Warning

Message: Cannot fit the HELLO packet into a system buffer

Meaning: The size of the system buffer is not big enough to contain a HELLO packet. This can happen when a router has a very large number of neighbors.

Action: Choose one of the following:

- No action — The router will continue to transmit packets, but the HELLO packet will not be able to include all the neighbors. As a result, not all of the neighbors will be able to form adjacencies with this router.
- Reconfigure the router's system buffer size and restart the router. Consider anticipated growth in the number of neighbors when estimating the new buffer size.

Entity Code/Event Code **97/50**

Decimal Identifier **16802098**

Severity: Warning

Message: NLSP interface with circuit index <*index_no.*> has an MTU of <*size*> bytes, which is too small for a HELLO packet to include all existing neighbors.

Meaning: The size of the MTU is not big enough to contain a HELLO packet. This can happen when a router has a very large number of neighbors.

Action: Choose one of the following:

No action — The router will continue to transmit packets, but the HELLO packet will not be able to include all the neighbors. As a result, not all of the neighbors will be able to form adjacencies with this router.

Reconfigure the router's MTU size and restart the router. Consider anticipated growth in the number of neighbors when estimating the new buffer size.

Entity Code/Event Code **97/51**

Decimal Identifier **16802099**

Severity: Warning

Message: Newly elected DR on interface with circuit index <*index_no.*> claims to have its Pseudonode ID as zero.

Meaning: The designated router on the specified NLSP interface has a Pseudonode ID of 0, which is invalid.

Action: Use either Site Manager to configure the Pseudonode ID of the pseudonode as a boxwide unique nonzero value.

Entity Code/Event Code **97/52**

Decimal Identifier **16802100**

Severity: Warning

Message: Detected two neighbors having the same System ID and MAC address.

Meaning: NLSP detected two neighbors that have the same system ID and MAC address. The default MAC address is derived from the router hardware (so it's unique by definition). However, a user can change the configured IPX MAC address for an interface, and in so doing create a duplicate.

Action: Determine which router has the incorrect System ID and/or IPX MAC address. This may entail going through each node on the system. Reconfigure the router with the correct system ID/address.

Entity Code/Event Code **97/53**

Decimal Identifier **16802101**

Severity: Warning

Message: Detected a neighbor on interface with circuit index <*index_no.*> having the same MAC address as mine <*MAC_address*>

Meaning: NLSP detected a neighbor on the specified NLSP interface that has the same MAC address as the local NLSP router.

Action: Determine which router has the incorrect IPX MAC address. This may entail going through each node on the system. If the local router uses an IPX MAC address derived from the hardware, the problem is in the neighboring router, and you can't do anything about it locally. Verify that the local router address is correct, and reconfigure the router with the correct address, if necessary.

Entity Code/Event Code **97/54**

Decimal Identifier **16802102**

Severity: Warning

Message: Detected another NLSP node using my internal network number

Meaning: NLSP detected another NLSP node that is using the same internal network number as the local NLSP router.

Action: Use Site Manager to change your router's internal network number field to an area-wide unique network number.

Entity Code/Event Code **97/55**

Decimal Identifier **16802103**

Severity: Warning

Message: L1 LSP originated from this system is set to have a size larger than the minimum 512 bytes.

Meaning: The Level 1 link state packet that originated from this system is set to have a size larger than the 512 minimum. This is acceptable if all the systems in the area are capable of receiving them; otherwise, the systems with links with MTUs less than 512 will not be able to see this system.

Action: If necessary, use Site Manager to reset the MTU for this system to 512 bytes. If you choose to leave the MTU as it is, and if it is acceptable that other routers may not be able to see this system, you need not do anything.

Entity Code/Event Code **97/56**

Decimal Identifier **16802104**

Severity: Warning

Message: This system has exhausted all the LSP numbers. Wrap around starting from 1.

Meaning: NLSP sequentially numbers all LSPs, up to the maximum of 0xFF (255 decimal). Then it starts overwriting existing entries, restarting the sequence numbers with 1. As a result, original information in the overwritten LSP will be lost.

Action: No remedial action possible. Router operation continues without interruption, but it won't find the original information that has been overwritten. If necessary, reboot the router to restart the LSP numbering.

Entity Code/Event Code **97/57**

Decimal Identifier **16802105**

Severity: Warning

Message: The Designated Router on interface with circuit index <*index_no*.> has exhausted all the LSP numbers. Wrap around starting from 1.

Meaning: The Designated Router on the specified NLSP interface has used all the LSP numbers. NLSP sequentially numbers all LSPs, up to the maximum of 0xFF (255 decimal). Then it starts overwriting existing entries, restarting the sequence numbers with 1. As a result, older information that is overwritten will be lost.

Action: Router operation continues without interruption, but it won't find the information that has been overwritten. Choose one of the following actions:

Use Site Manager to change the DR priority of this router on the interface to a lower value.

If necessary, reboot the router to restart the LSP numbering.

Entity Code/Event Code **97/58**

Decimal Identifier **16802106**

Severity: Warning

Message: Missing packet(s) from the CSNP packet set on interface with circuit index <*index_no*.>

Meaning: The router has missed one or more packets in a complete CSNP packet set.

Action: Observe whether this message appears periodically in 30 seconds (default CSNP transmitting period). If so, reboot the router or call the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **97/5**

Decimal Identifier **16802053**

Severity: Info

Message: Protocol initializing

Meaning: The NLSP protocol is coming up in a router.

Entity Code/Event Code **97/6**

Decimal Identifier **16802054**

Severity: Info

Message: Protocol terminating

Meaning: The NLSP protocol is going down in a router.

Entity Code/Event Code **97/7**

Decimal Identifier **16802055**

Severity: Info

Message: Interface up on circuit <*circuit_no*.>

Meaning: The NLSP interface is enabled on the specified circuit. NLSP is configured, started up, and capable of handling NLSP traffic.

Entity Code/Event Code **97/8**

Decimal Identifier **16802056**

Severity: Info

Message: Interface down on circuit <*circuit_no*.>

Meaning: The NLSP interface is disabled or deleted from the specified circuit.

Entity Code/Event Code **97/11**

Decimal Identifier **16802059**

Severity: Info

Message: Successfully connected to IPX

Meaning: The NLSP module has established a communication link with the IPX module.

Entity Code/Event Code **97/12**

Decimal Identifier **16802060**

Severity: Info

Message: Disconnected from IPX

Meaning: The NLSP module has broken the communication link with the IPX module.

Entity Code/Event Code **97/13**

Decimal Identifier **16802061**

Severity: Info

Message: Connecting to IPX...

Meaning: The NLSP interface is in the process of setting up a communication link with the IPX module..

Entity Code/Event Code **97/14**

Decimal Identifier **16802062**

Severity: Info

Message: Disconnecting from IPX...

Meaning: The NLSP interface is in the process of disconnecting from IPX.

Entity Code/Event Code **97/15**

Decimal Identifier **16802063**

Severity: Info

Message: NLSP module is DOWN

Meaning: The NLSP module is not functioning on the router.

Entity Code/Event Code **97/16**

Decimal Identifier **16802064**

Severity: Info

Message: NLSP module is UP

Meaning: The NLSP module has become functional on the router.

Entity Code/Event Code **97/17**

Decimal Identifier **16802065**

Severity: Info

Message: Unloading NLSP module

Meaning: Modules must be loaded into memory by Loader in order to run. Unloading modules that are not in use frees up memory for other uses.

Entity Code/Event Code **97/18**

Decimal Identifier **16802066**

Severity: Info

Message: NLSP module is loaded

Meaning: Modules must be loaded by Loader in order to run.

Entity Code/Event Code **97/19**

Decimal Identifier **16802067**

Severity: Info

Message: NLSP module is disabled

Meaning: The loaded NLSP module is disabled, so it can’t process NLSP traffic.

Entity Code/Event Code **97/20**

Decimal Identifier **16802068**

Severity: Info

Message: NLSP module is enabled

Meaning: The loaded NLSP module is enabled, so it can process NLSP traffic.

Entity Code/Event Code **97/21**

Decimal Identifier **16802069**

Severity: Info

Message: Restarting NLSP demultiplexer

Meaning: The core module in NLSP is restarting.

Entity Code/Event Code **97/22**

Decimal Identifier **16802070**

Severity: Info

Message: Starting NLSP demultiplexer

Meaning: The core module in NLSP is starting up.

Entity Code/Event Code **97/23**

Decimal Identifier **16802071**

Severity: Info

Message: Local MIB Server is up.

Meaning: The MIB database Server within NLSP is up.

Entity Code/Event Code **97/24**

Decimal Identifier **16802072**

Severity: Info

Message: NLSP requests for circuit info on interface with index <*index_no.*> from IPX RTM <*diagnostic_information*>

Meaning: NLSP is requesting circuit information for the specified interface from the IPX routing table manager.

Entity Code/Event Code **97/25**

Decimal Identifier **16802073**

Severity: Info

Message: Associating interface with circuit index <*index_no.*> to area <*area_ID*>.

Meaning: NLSP had associated the specified NLSP interface with the specified area ID. This message can be useful in case of a configuration error or if the interface doesn't come up.

Trace Events

Entity Code/Event Code **97/60**

Decimal Identifier **16802108**

Severity: Trace

Message: NIC_ID <*NIC_ID*> SYS_ID <*system_ID*> CIRCUIT INDEX <*index_no.*> NET <*network_number*> STATE <*state*>

Meaning: This message follows another trace message and provides supplementary information, including the MAC address of the neighbor acted upon in the previous trace message. Each 6-byte address is the IEEE 802 or IPX MAC address of the neighbor router's point of attachment to this LAN segment (the interface ID). The default MAC address is the address from the router's NIC card for that interface.

Entity Code/Event Code **97/61**

Decimal Identifier **16802109**

Severity: Trace

Message: NODE ID <*node_ID*> COST <*cost*> HOPS <*no._of_hops*> TICKS <*no._ of_ ticks*> NET <*network_number*>

Meaning: This message follows another trace message and provides supplementary information, including the node ID, cost (in hops and ticks), and either the internal network number of a system or the IPX network number for a LAN segment, depending on the last bytes of the node ID field.

Entity Code/Event Code **97/62**

Decimal Identifier **16802110**

Severity: Trace

Message: LSP <*lsp_no.*> SEQNUM <*sequence_no.*> CKSUM <*checksum*> LIFETIME <*no._of_seconds*>

Meaning: This message follows another trace message and provides supplementary information, including the system ID, pseudonode number, and LSP number (all within the <*lsp_no.*> field), the version number (in the <*sequence_no.*> field), a checksum, and the lifetime of the packet from the local router's point of view, up to a maximum definable lifetime (by default, 7500 seconds).

Entity Code/Event Code **97/63**

Decimal Identifier **16802111**

Severity: Trace

Message: svc name: <*service_name*> name len: <*length_of_service_name*> type: <*service type*> host net: <*host_network_number*> host node: <*host_node_ID*> hops:<*hops*>

Meaning: This message follows another trace message and provides supplementary information about the server and service. The host net field indicates the network number on which the indicated service resides. The host node is the server on which this service resides. The hops field indicates the number of hops from the local router to get to this server.

Entity Code/Event Code **97/64**

Decimal Identifier **16802112**

Severity: Trace

Message: Address <*area_address*> Mask <*mask_address*>

Meaning: This message follows another trace message and provides supplementary information about the area address and mask involved in the previous trace message.

Entity Code/Event Code **97/65**

Decimal Identifier **16802113**

Severity: Trace

Message: NLSP PDU comes in too soon. Drop.

Meaning: The NLSP protocol data unit comes in before the NLSP module is ready to accept anything from outside into the module.

Entity Code/Event Code **97/66**

Decimal Identifier **16802114**

Severity: Trace

Message: NLSP PDU comes in from interface with circuit index <*index_no.*>, which is not ready.

Meaning: The NLSP protocol data unit comes in from the indicated interface before NLSP is ready to process it. NLSP drops the packet.

Entity Code/Event Code **97/67**

Decimal Identifier **16802115**

Severity: Trace

Message: Removing a neighbor that is still in INIT state

Meaning: NLSP is removing a neighbor from its neighbor table while the neighbor is still being initialized. The neighbor then disappears from this system's view until the neighbor sends out another HELLO packet.

Entity Code/Event Code **97/68**

Decimal Identifier **16802116**

Severity: Trace

Message: NLSP LAN HELLO packet comes in too soon from interface with circuit index <*circuit_no.*>

Meaning: NLSP has received a LAN HELLO packet before NLSP is ready to accept anything from outside into the module

Entity Code/Event Code **97/69**

Decimal Identifier **16802117**

Severity: Trace

Message: Bad major version <*version_no.*> in LAN HELLO packet came in from interface with circuit index <*index_no.*>

Meaning: NLSP drops the packet because of the bad major version number.

Entity Code/Event Code **97/70**

Decimal Identifier **16802118**

Severity: Trace

Message: Bad router type <*router_type*> in LAN HELLO packet came in from interface with circuit index <*index_no.*>

Meaning: NLSP drops the packet because of the invalid router type.

Entity Code/Event Code **97/71**

Decimal Identifier **16802119**

Severity: Trace

Message: LAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad Area Address option field

Meaning: The LAN HELLO packet from the indicated NLSP interface contains an invalid Area Address option field. NLSP drops the packet.

Entity Code/Event Code **97/72**

Decimal Identifier **16802120**

Severity: Trace

Message: LAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad Area Address/Mask pair

Meaning: The LAN HELLO packet from the specified NLSP interface contains an invalid area address/area mask pair.

Entity Code/Event Code **97/73**

Decimal Identifier **16802121**

Severity: Trace

Message: LAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad neighbor option

Meaning: The LAN HELLO packet from the specified NLSP interface contains an invalid neighbor option field. NLSP drops the packet.

Entity Code/Event Code **97/74**

Decimal Identifier **16802122**

Severity: Trace

Message: LAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad MTU option

Meaning: The LAN HELLO packet from the specified NLSP interface contains an invalid MTU option field. NLSP drops the packet.

Entity Code/Event Code **97/75**

Decimal Identifier **16802123**

Severity: Trace

Message: LAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad packet length field

Meaning: The LAN HELLO packet from the specified NLSP interface contains an invalid packet length field. NLSP drops the packet.

Entity Code/Event Code **97/76**

Decimal Identifier **16802124**

Severity: Trace

Message: NLSP WAN HELLO packet comes in too soon from interface with circuit index <*index_no.*>

Meaning: NLSP received a WAN HELLO packet from the specified NLSP interface before NLSP was ready to process it. NLSP drops the packet.

Entity Code/Event Code **97/77**

Decimal Identifier **16802125**

Severity: Trace

Message: Bad major version <*version_number*> in WAN HELLO packet came in from interface with circuit index <*index_no.*>

Meaning: NLSP received a WAN HELLO packet with an invalid major version number on the indicated interface. NLSP drops the packet because of the bad major version number.

Entity Code/Event Code **97/78**

Decimal Identifier **16802126**

Severity: Trace

Message: Bad circuit type <*circuit_type*> in WAN HELLO packet came in from interface with circuit index <*index_no.*>

Meaning: NLSP received a WAN HELLO packet with an invalid circuit type on the indicated interface. NLSP drops the packet because of the bad circuit type field.

Entity Code/Event Code **97/79**

Decimal Identifier **16802127**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad packet length field

Meaning: NLSP received a WAN HELLO packet with an invalid packet length on the indicated interface. NLSP drops the packet.

Entity Code/Event Code **97/80**

Decimal Identifier **16802128**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad Area Address option field

Meaning: NLSP received a WAN HELLO packet with an invalid Area Address option field on the indicated interface. NLSP drops the packet.

Entity Code/Event Code **97/81**

Decimal Identifier **16802129**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no.*> contains more than 3 pairs of address and mask. Keep the first three

Message: NLSP received a WAN HELLO packet from the indicated interface, containing more than three address/mask pairs. NLSP accepts the packet, keeping the first three pairs.

Entity Code/Event Code **97/82**

Decimal Identifier **16802130**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad Area Address/Mask pair

Meaning: NLSP received a WAN HELLO packet with an invalid Area Address/Mask pair on the indicated interface. NLSP drops the packet.

Entity Code/Event Code **97/83**

Decimal Identifier **16802131**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no*.> does not contain any matching area Address/Mask pair.

Meaning: NLSP received a WAN HELLO packet that does not contain any Address/Mask pair that matches with any of the locally configured ones on the indicated interface. NLSP drops the packet.

Entity Code/Event Code **97/84**

Decimal Identifier **16802132**

Severity: Trace

Message: WAN HELLO packet came in from interface with circuit index <*index_no.*> contains bad MTU option.
<*diagnostic information*>

Meaning: NLSP received a WAN HELLO packet with invalid MTU information. (The diagnostic information on the line that follows describes in detail why the MTU option is bad; for example, no MTU, or the length field is wrong.)

Entity Code/Event Code **97/85**

Decimal Identifier **16802133**

Severity: Trace

Message: Added a new route to the NLSP system routing table.

Meaning: The router has learned a new route to an NLSP system and has added that new route to its routing table.

Entity Code/Event Code **97/86**

Decimal Identifier **16802134**

Severity: Trace

Message: Learned another next hop to an NLSP system

Meaning: The NLSP router has learned another equal-cost next hop route to an NLSP system. and has added that route to its routing table.

Entity Code/Event Code **97/87**

Decimal Identifier **16802135**

Severity: Trace

Message: Detected administration node changes for net <*network_no.*>.
Old node <*node_ID*> new node <*node_ID*>

Meaning: NLSP has detected changes regarding the administration node for the indicated network. The message documents the previous and current node IDs. Such a change can occur, for example, when a different router is elected to be the pseudonode. The network number can be the node's internal network number or the network number of a LAN segment.

Entity Code/Event Code **97/88**

Decimal Identifier **16802136**

Severity: Trace

Message: LSP received has an irregular Link Information option. Accept anyway.
<*diagnostic information*>

Meaning: NLSP has received an LSP that has a malformed link information option. The link information option does not comply with the specification. It has all the necessary information, so the router accepts it by ignoring the inappropriate information. The diagnostic information on the subsequent lines provides details about the documented condition.

Entity Code/Event Code **97/89**

Decimal Identifier **16802137**

Severity: Trace

Message: Accepted non pseudonode LSP packet number zero, which misses <*condition*>
<*diagnostic information*>

Meaning: NLSP accepted a packet in spite of the missing information indicated by <*condition*>. This condition could be either Area Address, Management Information options, or both. The diagnostic information, if any, on the subsequent line gives additional details.

Entity Code/Event Code **97/90**

Decimal Identifier **16802138**

Severity: Trace

Message: NLSP SNP packet comes in too soon from interface with circuit index <*index_no.*>

Meaning: NLSP received a sequence number packet (SNP) on the indicated interface before NLSP is ready to process the packet. NLSP drops the packet.

Entity Code/Event Code **97/91**

Decimal Identifier **16802139**

Severity: Trace

Message: NLSP SNP packet comes in from unknown neighbor with MAC address <*MAC_address*> or packet malformed

Meaning: NLSP received a sequence number packet (SNP) from the specified neighbor. Either the sending neighbor is not in the receiving router's adjacency database, or the packet is malformed. NLSP drops the packet.

Entity Code/Event Code **97/92**

Decimal Identifier **16802140**

Severity: Trace

Message: NLSP SNP packet comes in from neighbor with MAC address <*MAC_address*>, which is not yet in the UP state

Meaning: NLSP received a sequence number packet (SNP) from the specified router, which has not yet transferred to the UP state. NLSP drops the packet.

Entity Code/Event Code **97/93**

Decimal Identifier **16802141**

Severity: Trace

Message: NLSP CSNP packet comes in from neighbor with MAC address <*MAC_address*>, but I am the designated router.

Meaning: The designated router received a complete sequence number packet (CSNP) from the specified router, which is believed to be a non-pseudonode.

Entity Code/Event Code **97/94**

Decimal Identifier **16802142**

Severity: Trace

Message: NLSP PSNP packet comes in from neighbor with MAC address <*MAC_address*>, but I am not the designated router.

Meaning: The NLSP router, which is not the designated router, received a partial sequence number packet (PSNP) from the specified router.

NML Events

The Native Mode LAN service, referred to as the NML entity, issues the following event message. The entity code assigned to NML events is 81.

Fault Event

Entity Code/Event Code **81/1**

Decimal Identifier **16797953**

Severity: Fault

Message: System error, service attempting restart

Meaning: Native Mode LAN experienced a fatal error and is restarting automatically. Native Mode LAN will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if Native Mode LAN fails to restart.

NOV_SYNC Events

The Non-Volatile Random Access Memory Synchronization service, referred to as the NOV_SYNC entity, issues the following event messages. The entity code assigned to NOV_SYNC events is 61.

Fault Event

Entity Code/Event Code **61/1**

Decimal Identifier **16792833**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The NOV_SYNC driver experienced a fatal error and is restarting automatically. NOV_SYNC will attempt to restart up to five times.

Action: Contact the Bay Networks Technical Response Center if this condition persists.

Info Event

Entity Code/Event Code	**61/2**
Decimal Identifier	**16792834**
Severity:	Info
Message:	Service Initializing
Meaning:	NOV_SYNC is initializing.

NVFS Events

The Non-Volatile File System service, referred to as the NVFS entity, issues the following event messages. The entity code assigned to NVFS events is 11.

Fault Event

Entity Code/Event Code	**11/1**
Decimal Identifier	**16780033**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	NVFS experienced a fatal error and is restarting automatically. NVFS will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if NVFS fails to restart.

Warning Events

Entity Code/Event Code	**11/2**
Decimal Identifier	**16780034**
Severity:	Warning
Message:	File System is in a corrupt state, re-format.
Meaning:	The files on the flash card are corrupted.
Action:	Issue the **compact** command. If the message reappears, issue the **erase** command and restore the files from a backup file system.

Entity Code/Event Code **11/3**

Decimal Identifier **16780035**

Severity: Warning

Message: Flash compact failed: error status = <*error_code*>

Meaning: The file management system driver failed to execute the **compact** command. The files or the flash card may be corrupted.

Action: Issue the **erase** command and restore the files from a backup file system. If the **erase** command fails, replace the flash card and restore the files.

Entity Code/Event Code **11/4**

Decimal Identifier **16780036**

Severity: Warning

Message: Flash format failed: address = <*physical_address*>, error status = <*error_code*>

Meaning: The file management system driver failed to execute the **format** command. The flash card may be corrupted.

Action: Replace the flash card and restore the files from a backup file system.

Entity Code/Event Code **11/7**

Decimal Identifier **16780039**

Severity: Warning (BNX only)

Message: Beginning NFVS compaction process.

Meaning: NVFS is executing a request to compact (concatenate) the file system on a flash card and cannot accept further requests until it terminates the request.

Entity Code/Event Code **11/8**

Decimal Identifier **16780040**

Severity: Warning (BNX only)

Message: NVFS compaction completed.

Meaning: NVFS successfully executed the compact request.

Entity Code/Event Code **11/39**

Decimal Identifier **16780071**

Severity: Warning

Message: <*flash_card_volume*>File system is in a corrupt state, re-format.

Meaning: The files on the flash card are corrupted.

Action: Issue the **compact** command. If the message reappears, issue the **erase** command and restore the files from a backup file system.

Entity Code/Event Code **11/40**

Decimal Identifier **16780072**

Severity: Warning

Message: <*flash_card_volume*>Memory card compact failed: error status = <*error_code*>

Meaning: The file management system driver failed to execute the **compact** command. The files or flash card may be corrupted.

Action: Issue the **erase** command and restore the files from a backup file system. If the **erase** command fails, replace the flash card and restore the files.

Entity Code/Event Code **11/41**

Decimal Identifier **16780073**

Severity: Warning

Message: <*flash_card_volume*>Memory card format failed: address = <*physical_address*>, error status = <*error_code*>

Meaning: The file management system driver failed to execute the **format** command. The flash card may be corrupted.

Action: Replace the flash card and restore the files from a backup file system.

Entity Code/Event Code **11/44**

Decimal Identifier **16780076**

Severity: Warning (BNX only)

Message: <*flash_card_volume*>Beginning memory card compaction process.

Meaning: NVFS is executing a request to compact (concatenate) the file system on a flash card and cannot accept further requests until it terminates the request.

Entity Code/Event Code **11/45**

Decimal Identifier **16780077**

Severity: Warning (BNX only)

Message: <*flash_card_volume*>Memory card compaction completed.

Meaning: NVFS successfully executed the compact request.

Entity Code/Event Code **11/63**

Decimal Identifier **16780095**

Severity: Warning (BNX only)

Message: <*volume_number*> NVFS manager is opening file <*filename*> for <*writing* | *reading*>.

Meaning: The BNX file manager has opened the specified file (most often a billing file) for the specified purpose. The occurrence of this message enables external billing applications to verify the scheduled collection of billing data.

Entity Code/Event Code **11/64**

Decimal Identifier **16780096**

Severity: Warning (BNX only)

Message: NVFS manager is closing file <*filename*>.

Meaning: The BNX file manager has closed the specified file (most often a billing file).

Entity Code/Event Code **11/66**

Decimal Identifier **16780098**

Severity: Warning

Message: FRE-I board(s) must be at least revision 29 to use this Flash Card

Meaning: There is a hardware problem with FRE-I boards with a revision less than 29 that prevents the card's attribute memory from being accessed by the flash driver. The attribute memory is required for Series II flash card support.

Action: Remove the offending card from the system. This message will be continuously logged until the card is removed.

Entity Code/Event Code **11/67**

Decimal Identifier **16780099**

Severity: Warning

Message: Unable to determine size of card because of invalid CIS

Meaning: Bay Networks requires that all Series II flash cards must provide a valid Card Information Structure (CIS) in the card's attribute memory.

Action: Remove the offending card from the system. NVFS will log this message continuously until you remove the card.

Entity Code/Event Code **11/69**

Decimal Identifier **16780101**

Severity: Warning

Message: Detected/Repairing invalid next pointer (0x<*hex_value*>) in directory entry:
0x<*address*>: filename=<*filename_as_hexadecimal_string*>
0x<*address*>: size=0x<file_size> date=<*date_as_hex_string*> next_entry=0x<*address*>
0x<*address*>: write_in_prog=<*value*> active=0x<*value*>

Meaning: While adding a new directory entry, the BNX file manager found an unexpected value in the NEXT field at the end of the internal directory list. The BNX file manager logs the condition and attempts to repair the directory structure. All directory entries prior to the filename are valid; subsequent entries may be corrupt.

Action: Verify the directory structure. If the directory is corrupt, save the event log (avoid using the Billing SRAM), use TFTP to transfer the log to the Site Manager workstation, and contact the Bay Networks Technical Response Center.

Entity Code/Event Code **11/76**

Decimal Identifier **16790108**

Severity: Warning

Message: NVFS media contains partition which is not supported on this platform.

Meaning: Access Nodes and Access Stack Nodes are the only Bay Networks routers that support partitioned nonvolatile file systems.

Entity Code/Event Code **11/77**

Decimal Identifier **16780109**

Severity: Warning

Message: <*class*><*byte* | *word*> Write: Failed [<*address*>]=<*data*> (src=<*source_data*>)

Meaning: NVFS failed to write to the memory card. The <*class*> is the type of the internal class device; it indicates the driver function that failed. The <*address*> is the address of the failure. The <*data*> is the data that is currently at that address. The <*source_data*> is the data that NVFS failed to write to the memory card.

Action: If file system problems persist, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **11/78**

Decimal Identifier **16780110**

Severity: Warning

Message: <*class*><*byte* | *word*> Write: Failed [<*address*>]=<*data*> (src=<*source_data*>) SR=<*contents*>

Meaning: NVFS failed to write to the memory card. The <*class*> is the type of the internal class device; it indicates the driver function that failed. The <*address*> is the address of the failure. The <*data*> is the data that is currently at that address. The <*source_data*> is the data that NVFS failed to write to the memory card. The <*contents*> are the contents in the status register.

Action: If file system problems persist, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **11/79**

Decimal Identifier **16780111**

Severity: Warning

Message: <*class*><*byte* | *word*> Erase: Failed <*address*>

Meaning: NVFS failed to perform an erase operation on the memory card. The <*class*> is the type of the internal class device; it indicates the driver function that failed. The <*address*> is the address of the failure.

Action: If file system problems persist, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **11/80**

Decimal Identifier **16780112**

Severity: Warning

Message: <*class*><*byte* | *word*> Erase: Failed <*address*>, SR=<*contents*>

Meaning: NVFS failed to perform an erase operation on the memory card. The <*class*> is the type of the internal class device; it indicates the driver function that failed. The <*address*> is the address of the failure. The <*contents*> are the contents in the status register.

Action: If file system problems persist, contact the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **11/5**

Decimal Identifier **16780037**

Severity: Info

Message: Service initializing.

Meaning: NVFS is initializing.

Entity Code/Event Code **11/6**

Decimal Identifier **16780038**

Severity: Info

Message: Service terminating.

Meaning: NVFS is terminating.

Entity Code/Event Code **11/7**

Decimal Identifier **16780039**

Severity: Info (Routers only)

Message: Beginning NFVS compaction process.

Meaning: NVFS is executing a request to compact (concatenate) the file system on a flash card and cannot accept further requests until it terminates the request.

Entity Code/Event Code **11/8**

Decimal Identifier **16780040**

Severity: Info (Routers only)

Message: NVFS compaction completed.

Meaning: NVFS successfully executed the compact request.

Entity Code/Event Code **11/42**

Decimal Identifier **16780074**

Severity: Info

Message: <*flash_card_volume*>Service initializing.

Meaning: NVFS is initializing.

Entity Code/Event Code **11/43**

Decimal Identifier **16780075**

Severity: Info

Message: <*flash_card_volume*>Service terminating.

Meaning: NVFS is terminating.

Entity Code/Event Code **11/44**

Decimal Identifier **16780076**

Severity: Info (Routers only)

Message: <*flash_card_volume*>Beginning memory card compaction process.

Meaning: NVFS is executing a request to compact (concatenate) the file system on a flash card and cannot accept further requests until it terminates the request.

Entity Code/Event Code **11/45**

Decimal Identifier **16780077**

Severity: Info (Routers only)

Message: <*flash_card_volume*>Memory card compaction completed.

Meaning: NVFS successfully executed the compact request.

OSI Events

The Open Systems Interconnection service, referred to as the OSI entity, issues the following event messages. The entity code assigned to OSI events is 38.

Fault Event

Entity Code/Event Code **38/1**

Decimal Identifier **16786945**

Severity: Fault

Message: System Error, service attempting restart

Meaning: OSI experienced a fatal error and is restarting automatically. OSI will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if OSI fails to restart.

Info Events

Entity Code/Event Code **38/2**

Decimal Identifier **16786946**

Severity: Info

Message: Starting IS-IS on cct <*circuit_no.*>.

Meaning: The router enabled the Intermediate System to Intermediate System Intra-Domain Routing Exchange Protocol (ISO 10589) on circuit <*circuit_no.*>.

Entity Code/Event Code **38/3**

Decimal Identifier **16786947**

Severity: Info

Message: Stopping IS-IS on circuit <*circuit_no.*>.

Meaning: The router disabled the Intermediate System to Intermediate System Intra-Domain Routing Exchange Protocol (ISO 10589) on circuit <*circuit_no.*>.

Entity Code/Event Code **38/4**

Decimal Identifier **16786948**

Severity: Info

Message: Starting L1 decision process.

Meaning: The router started the Level 1 decision process. During the decision process, the OSI router uses the link state database information that it has accumulated during the update process to (1) define a set of paths from the router to every reachable destination in the area; (2) calculate the shortest path to each destination; and (3) record the identity of the first hop on the shortest path to each destination into a forwarding database.

Entity Code/Event Code **38/5**

Decimal Identifier **16786949**

Severity: Info

Message: Starting L2 decision process.

Meaning: The router started the Level 2 decision process. During the decision process, the OSI router uses the link state database information that it has accumulated during the update process to (1) define a set of paths from the router to every reachable destination in the domain; (2) calculate the shortest path to each destination; and (3) record the identity of the first hop on the shortest path to each destination into a forwarding database.

Entity Code/Event Code **38/104**

Decimal Identifier **16787048**

Severity: Info

Message: Protocol terminating.

Meaning: OSI is terminating.

Entity Code/Event Code **38/105**

Decimal Identifier **16787049**

Severity: Info

Message: Protocol initializing.

Meaning: OSI is initializing.

Entity Code/Event Code **38/106**

Decimal Identifier **16787050**

Severity: Info

Message: Interface up on circuit <*circuit_no.*>.

Meaning: OSI came up on the specified circuit.

Entity Code/Event Code **38/107**

Decimal Identifier **16787051**

Severity: Info

Message: Interface down on circuit <*circuit_no.*>.

Meaning: OSI went down on the specified circuit.

Entity Code/Event Code **38/108**

Decimal Identifier **16787052**

Severity: Info

Message: Starting DECnet 4 to 5 transition feature.

Meaning: The router enabled the DECnet IV to V transition feature.

Entity Code/Event Code **38/109**

Decimal Identifier **16787053**

Severity: Info

Message: Stopping DECnet 4 to 5 transition feature.

Meaning: The router disabled the DECnet IV to V transition feature.

Trace Events

Entity Code/Event Code **38/96**

Decimal Identifier **16787040**

Severity: Trace

Message: OSI TF — Rule <*filter_rule_no.*>, Cct <*circuit_no.*> (Drop packet).

Meaning: A traffic filter match occurred on rule <*filter_rule_no.*>. The action defined is drop the packet.

Entity Code/Event Code **38/97**

Decimal Identifier **16787041**

Severity: Trace

Message: OSI TF — Rule <*filter_rule_no.*>, Cct <*circuit_no.*> (Log only)

Meaning: A traffic filter match occurred on rule <*filter_rule_no.*>. The action defined is log a message.

Entity Code/Event Code **38/110**

Decimal Identifier **16787054**

Severity: Trace

Message: Rule <*filter_rule_no.*>, cct <*circuit_no.*> (Accept packet).

Meaning: A traffic filter match occured on rule <*filter_rule_no.*>. The action defined is accept the packet.

OSPF Events

The Open Shortest Path First service, referred to as the OSPF entity, issues the following event messages. The entity code assigned to OSPF events is 12. Refer to the following table when looking up OSPF events.

A message beginning with...	Falls into this category
T#	Topological change in routing domain.
C1	Packet rejected, errors in IP/OSPF header.
C2	Hello packet rejected, mismatch between packet and configured parameters.
C3	DD, LS_REQ, LS_ACK, LS_UP packet rejected, source neighbor in wrong state.
R#	Router restarted, losing track of previous LS sequence number.

Fault Event

Entity Code/Event Code **12/32**

Decimal Identifier **16780320**

Severity: Fault

Message: System error, service attempting restart.

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/89**

Decimal Identifier **16780377**

Severity: Fault

Message: No Backbone area configured for area border router

Meaning: More than one area was configured for the router, but none was area 0.0.0.0

Action: OSPF requires a router with more than one area to be connected to the backbone. Configure area 0.0.0.0. Either add at least one interface to this area or one virtual link through another area.

Entity Code/Event Code **12/90**

Decimal Identifier **16780378**

Severity: Fault

Message: UNEXPECTED DEATH of OSPF backup receive gate

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/91**

Decimal Identifier **16780379**

Severity: Fault

Message: UNEXPECTED DEATH of OSPF primary receive gate

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/92**

Decimal Identifier **16780380**

Severity: Fault

Message: UNEXPECTED DEATH of OSPF transmit gate

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/93**

Decimal Identifier **16780381**

Severity: Fault

Message: UNEXPECTED DEATH of OSPF self originated ASE gate

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/94**

Decimal Identifier **16780382**

Severity: Fault

Message: UNEXPECTED DEATH of OSPF lsdb aging gate

Meaning: OSPF experienced a fatal error and is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/95**

Decimal Identifier **16780383**

Severity: Fault

Message: LSA <*area*><*type*><*lsid*><*adv_router*> in UNEXPECTED STATE <*state_value*>

Meaning: There was an inconsistency in the internal processing of the OSPF Link State Database.OSPF is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/96**

Decimal Identifier **16780384**

Severity: Fault

Message: UNEXPECTED LSDB TYPE: <*type_value*>

Meaning: OSPF processed an LSDB whose type is not one of those allowed by the specification. OSPF is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/110**

Decimal Identifier **16780398**

Severity: Fault

Message: UNEXPECTED SIG DATA TYPE: <*type_value*>

Meaning: An internal error occurred. OSPF is restarting automatically. OSPF will attempt to restart up to five times.

Action: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Entity Code/Event Code **12/111**

Decimal Identifier **16780399**

Severity: Fault

Message: UNEXPECTED DEATH of SPF gate <*gate*> for area <*area_id*>

Meaning: OSPF experienced an internal inconsistency while performing the SPF calculations. OSPF is restarting automatically. OSPF will attempt to restart up to five times.

Meaning: Call the Bay Networks Technical Response Center if OSPF fails to restart.

Warning Events

Entity Code/Event Code **12/44**

Decimal Identifier **16780332**

Severity: Warning

Message: C1: Packet Rejected: IP Hdr: BAD OSPF PKT TYPE: <*type_value*>
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the Type field of the OSPF header contained a value other than the following:

1	Hello packet
2	Database Description packet
3	Link State Request packet
4	Link State Update packet
5	Link State Acknowledge packet

Action: Check the neighboring router; it is creating bad packets.

Entity Code/Event Code **12/45**

Decimal Identifier **16780333**

Severity: Warning

Message: C1: Packet Rejected: IP Hdr: BAD IP DEST
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because of an incorrect or unknown IP destination address.

Action: This error message may indicate a network configuration problem. Check that the router specified by <*router_IP_address*> and this router have the same interface type (point-to-point, broadcast, nonbroadcast multiaccess, and point-to-multipoint). Otherwise, the destination address does not match our configured address.

Entity Code/Event Code **12/46**

Decimal Identifier **16780334**

Severity: Warning

Message: C1: Packet Rejected: IP Hdr: PKT SRC = MY IP ADDR src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by an OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the IP source address matches the router's own address.

Action: This error message may indicate a network configuration problem. Check your configuration.

Entity Code/Event Code **12/47**

Decimal Identifier **16780335**

Severity: Warning

Message: C1: Packet Rejected: BAD OSPF VERSION ver: <*version_no.*> src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the Version field of the OSPF header contained an unknown or unsupported value, <*version_no.*>.

Action: This error message may indicate a network configuration problem. Check your configuration.

Entity Code/Event Code **12/48**

Decimal Identifier **16780336**

Severity: Warning

Message: C1: Packet Rejected: CHECKSUM FAILURE src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the packet has an incorrect checksum.

Action: This error message may indicate a network configuration problem or faulty lines. Check both your configuration and your lines.

Entity Code/Event Code **12/49**

Decimal Identifier **16780337**

Severity: Warning

Message: C1: Packet Rejected: AREA MISMATCH <*area_id*>
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the Area ID field of the OSPF header neither matched the Area ID of the receiving interface nor indicated the backbone (area 0.0.0.0).

Action: This message may indicate a network configuration problem. Check the *config* file to make sure the proper area IDs are configured.

Entity Code/Event Code **12/50**

Decimal Identifier **16780338**

Severity: Warning

Message: C1: Packet Rejected: BAD VIRTUAL INFO
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: Either no virtual link has been configured for this neighbor and transit area, or there is a faulty configuration on the other side.

Action: Check your *config* file to make sure that this virtual link's <*router_IP_address*> is the correct nbr_id. If it is not, the <*router_IP_address*> router may be incorrectly configured. If the <*router_IP_address*> is correct, check to see that the config names <*router_IP_address*> to be the neighbor. Also, check that the virtual link transit area is the same as the <*area*> configured for the interface at each end of the link. If you have not configured a virtual link for this interface, check the configuration on both routers to make sure the areas are properly configured.

Entity Code/Event Code **12/51**

Decimal Identifier **16780339**

Severity: Warning

Message: C1: Packet Rejected: AUTH TYPE <*rcvd_type*>
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*> whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the Authtype field (whose contents are echoed in <*rcvd_type*>) of the OSPF header did not match the configured type. Authtype values are as follows:

- No authentication
- Simple Password

Action: This error message may indicate a network configuration problem. Check the *config* file to make sure that the Authtype for this area is the same as that of <*router_IP_address*>.

Entity Code/Event Code **12/52**

Decimal Identifier **16780340**

Severity: Warning

Message: C1: Packet Rejected: AUTH KEY <*rcvd_key*>
src <*source_IP_address*> dst <*destination_IP_address*> routerid <*router_IP_address*>

Meaning: OSPF rejected a packet originated by OSPF router <*router_IP_address*>, whose IP source and destinations are specified by <*source_IP_address*> and <*destination_IP_address*>. The packet was rejected because the Authentication field (whose contents are echoed in <*rcvd_key*>) of the OSPF header did not match the authentication key configured for this interface.

Action: This error message may indicate a network configuration problem. Check the *config* file to make sure the correct key is configured for this interface. If the key is correct, check the configuration of <*router_IP_address*>.

Entity Code/Event Code **12/53**

Decimal Identifier **16780341**

Severity: Warning

Message: C2: Hello Rejected: NETMASK MISMATCH
src <*source_IP_address*>:<*netmask*> interface <*IP_address*>: <*netmask*>

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because the Network Mask field of the Hello packet did not match the network mask configured for the interface.

Action: Check the router specified by <*IP_address*> for configuration problems, or modify the Network Mask for this IP network in the IP record.

Entity Code/Event Code **12/54**

Decimal Identifier **16780342**

Severity: Warning

Message: C2: Hello Rejected: HELLO INTERVAL MISMATCH
src <*source_IP_address*> (x) interface <*IP_address*> (y)

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because the HelloInt field of the Hello packet (x) did not match the Hello Interval configured for the interface (y).

Action: Check the router specified by <*IP_address*> for configuration problems, or modify the Hello Interval portion of the OSPF interface record for this interface.

Entity Code/Event Code **12/55**

Decimal Identifier **16780343**

Severity: Warning

Message: C2: Hello Rejected: DEAD INTERVAL MISMATCH
src <*source_IP_address*> (x) interface <*IP_address*> (y)

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because the DeadInt field of the Hello packet (x) did not match the Dead Interval configured for the interface (y).

Action: Reconfigure the Dead Interval for either this interface or the router specified by <*source_IP_address*>.

Entity Code/Event Code **12/56**

Decimal Identifier **16780344**

Severity: Warning

Message: C2: Hello Rejected: EXTERN OPTION MISMATCH
src <*source_IP_address*> (x) interface <*IP_address*> (y)

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because the Options field E-bit for the originating router (x) did not match the Options field E-bit for the local router (y).

Action: Determine which router has the incorrect Option E and reconfigure it. The E-bit is set to indicate that the attached area is capable of processing AS external advertisements (that is, it is not a stub area). In this message, a value of 0 for (x) indicates that the originating router thinks this area is a stub area. All routers in an area must agree on the setting of the E-bit.

Entity Code/Event Code **12/57**

Decimal Identifier **16780345**

Severity: Warning

Message: C2: Hello Rejected: UNKNOWN VIRTUAL NBR
src <*source_IP_address*> interface <*IP_address*>

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because it was received from an unknown virtual neighbor. The interface is down; the virtual link will come up when this neighbor is reconfigured as an area border router.

Action: If you get this message continually, check to make sure that the router specified by <*source_IP_address*> is properly configured.

Entity Code/Event Code **12/58**

Decimal Identifier **16780346**

Severity: Warning

Message: C2: Hello Rejected: UNKNOWN NBMA NBR
src <*IP_src_address*> interface <*IP_address*>

Meaning: OSPF rejected an incoming Hello packet originated by router <*source_IP_address*> and received on this nonbroadcast multiaccess interface <*IP_address*>. The packet was rejected because it was received from an unknown neighbor. NBMA neighbors need to be configured.

Action: The router specified by src <*IP_address*> has this interface, specified by interface <*IP_address*>, as its neighbor. Add a statically defined neighbor for this interface, or reconfigure the interface type to Broadcast or Point-to-Point.

Entity Code/Event Code **12/59**

Decimal Identifier **16780347**

Severity: Warning

Message: C3: Packet Rejected: UNKNOWN NBR
src <*source_IP_address*> type <*packet_type*>

Meaning: OSPF received and rejected a Database Description, a Link State Request, a Link State Acknowledgment, or a Link State Update packet identified by <*packet_type*> from a neighbor, identified by <*source_IP_address*>, with which it has not established an adjacency.

Entity Code/Event Code **12/60**

Decimal Identifier **16780348**

Severity: Warning

Message: C3: Packet Rejected: SOURCE NEIGHBOR IN WRONG STATE
src <*source_IP_address*> state <*state*> type <*packet_type*>

Meaning: OSPF received and rejected a Database Description, a Link State Request, a Link State Acknowledgment, or a Link State Update packet, identified by <*packet_type*> from a neighbor identified by <*source_IP_address*>, who is in the wrong state with this router to generate this packet. This message generally indicates that the identity of the network's Designated Router has changed, causing transient disagreements between adjacencies. This is temporary; the routers will synchronize soon.

Entity Code/Event Code **12/61**

Decimal Identifier **16780349**

Severity: Warning

Message: C3: Packet Rejected: NBR's RTR = MY RTRID
src <*source_IP_address*> type <*packet_type*> rtrid <*router_IP_address*>

Meaning: OSPF received and rejected a Database Description, a Link State Request, a Link State Acknowledgment, or a Link State Update identified by <*packet_type*>, from a neighbor, identified by <*source_IP_address*>, whose router ID is the same as this router's ID.

Action: Check both routers' Router ID Configuration parameter.

Entity Code/Event Code **12/62**

Decimal Identifier **16780350**

Severity: Warning

Message: C3: Packet Rejected: DD: EXTERN OPTION MISMATCH
src <*source_IP_address*> interface <*IP_address*>

Meaning: OSPF received and rejected a Database Description packet originated by <*source_IP_address*> and received on interface <*IP_address*>. The packet was rejected because the local and originating routers disagree on the state of the Options field E-bit.

Action: Determine which router has the incorrect Option field E-bit by checking each router's configuration. The E-bit is set to indicate that the attached area is capable of processing AS external advertisements (that is, it is not a stub area). All routers within an area must agree on the setting of the E-bit.

Entity Code/Event Code **12/63**

Decimal Identifier **16780351**

Severity: Warning

Message: C3: Packet Rejected: LS REQ: EMPTY REQUEST
src <*source_IP_address*> Link State Request

Meaning: OSPF received and rejected a Link State Request packet originated by <*source_IP_address*>. The packet was rejected because it contained no data beyond the packet header.

Action: This is just a warning message that the neighboring router has constructed a link state request packet with no contents. If this message continues to be received, check the neighboring router.

Entity Code/Event Code **12/64**

Decimal Identifier **16780352**

Severity: Warning

Message: C3: Packet Rejected: LS REQ: BAD PACKET
src <*source_IP_address*> type <*LS_type*>

Meaning: OSPF received and rejected a Link State Request packet originated by <*source_IP_address*>. Either the <*LS_type*> is bad, or the advertisement cannot be found in the Link State database. If the <*LS_type*> number is 1 through 5, then this LSA was not found in the Link State database. If the <*LS_type*> number was a number other than 1 through 5, then the type field is bad.<*LS_type*> normally contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Action: If the <*LS_type*> is 1 through 5, then the routers are not synchronized. The router specified by <*IP_address*> is requesting an LSA that had been advertised as being in this router's database. The routers should synchronize soon. If the <*LS_type*> is not 1 through 5, then the neighboring router is sending bad packets. Check the neighboring router; its database may be corrupted.

Entity Code/Event Code **12/65**

Decimal Identifier **16780353**

Severity: Warning

Message: C3: Packet Rejected: LS UPDATE: BAD LS CHECKSUM area <*area_id*> ls_id <*LS_ID*> adv_rtr <*router_IP_address*> type <*type*> src <*source_IP_address*> ls_seq: <*seq_no.*> ls_age <*age*> ls_chksum: <*value*> orig_chk: <*value*>

Meaning: OSPF received and rejected a Link State Request packet originated by <*source_IP_address*>. The packet was rejected because one of the advertisements contained a faulty checksum value. <*LS_type*> contains one of the five following values, which indicates the type of advertisement that had the incorrect checksum.

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Action: The neighboring router has an advertisement with a bad checksum in its database. Check the neighboring router for problems. No action is required for this router.

Entity Code/Event Code **12/67**

Decimal Identifier **16780355**

Severity: Warning

Message: C3: Packet Rejected: <PACKET TYPE>: UNKNOWN TYPE
src <*source_IP_address*> type <*LS_type*>

Meaning: OSPF received and rejected a Database Description, a Link State Request, a Link State Acknowledgment, or a Link State Update packet identified by <*LS_type*> from a neighbor identified by <*source_IP_address*>. The link state type in the packet was not one of the valid types:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Action: Check the neighboring router for problems; it is sending bad packets.

Entity Code/Event Code **12/84**

Decimal Identifier **16780372**

Severity: Warning

Message: OSPF can not run on slot <*slot_no.*> with slot mask <*mask*>

Meaning: The router has been instructed to load OSPF onto the given slot based on the setting of wfProtocols.wfOSPFLoad. The mask in wfOspfGeneralGroup.wfOspfSlotMask instructs OSPF not to run on that slot however.

Action: Either enable the OSPF on the given slot or disable it from being loaded onto that slot.

Entity Code/Event Code **12/97**

Decimal Identifier **16780385**

Severity: Warning

Message: No area with ID <*area_id*> configured for interface <*int_address*>

Meaning: An interface has been configured to belong to the area indicated. The area in question has not been configured on the router.

Action: Change the interface's associated area or configure the missing area.

Entity Code/Event Code **12/98**

Decimal Identifier **16780386**

Severity: Warning

Message: No transit area with ID <*area_id*> for virt intf/nbr <*int_address*>

Meaning: A virtual link to a neighbor has been configured to use the indicated transit area. The area in question has not been configured on the router.

Action: Change the virtual link to use a different transit area or configure the area.

Entity Code/Event Code **12/99**

Decimal Identifier **16780387**

Severity: Warning

Message: Virtual interface/nbr <*int_address*> config'd, router NOT Area Border

Meaning: A virtual link has been configured to a neighbor, and this router is not an area border router. Only area border routers may be the endpoint of a virtual link.

Action: Delete the virtual link or configure a second area on the router. If the router already has more than one area

Entity Code/Event Code **12/100**

Decimal Identifier **16780388**

Severity: Warning

Message: Area <*area_id*> is stub for virtual interface/nbr <*int_address*>

Message: A virtual link to a neighbor has been configured to use the indicated area as a transit area. The area has been configured as a stub.

Action: Change the virtual link to use a different transit area or configure the existing area as a transit area.

Entity Code/Event Code **12/101**

Decimal Identifier **16780389**

Severity: Warning

Message: No intf <*int_address*> for nbr ip addr: <*IP_address*>

Meaning: A neighbor was configured with an interface that has not been configured.

Action: Configure the neighbor with an existing OSPF interface or create the interface record specified by the neighbor configuration.

Entity Code/Event Code **12/102**

Decimal Identifier **16780390**

Severity: Warning

Message: intf not NBMA or Point-to-multipoint <*int_address*> config'd nbr ip addr: <*IP_address*>

Meaning: A neighbor has been configured with an interface whose type is either Broadcast or Point-to-Point. Neither of these interface types allow configured neighbors.

Action: Either delete the neighbor record, use a different interface as the Neighbor Interface, or change the interface type of the configured interface.

Entity Code/Event Code **12/103**

Decimal Identifier **16780391**

Severity: Warning

Message: Area <*area_id*> sum rng <*ip_address/mask*> r_insert err:<*error_val*>

Meaning: An internal error occurred while initializing an area range record.

Action: Call the Bay Networks Technical Response Center if this problem persists.

Entity Code/Event Code **12/104**

Decimal Identifier **16780392**

Severity: Warning

Message: No area <*area_id*> for summary range <*ip_address/mask*>

Meaning: The area ID that was configured into an Area Range does not match any of the configured areas for the router.

Action: Change the area ID to match one of the configured areas, or add the missing area to the router.

Entity Code/Event Code **12/105**

Decimal Identifier **16780393**

Severity: Warning

Message: Area <*area_id*> range <*ip_address/mask*> ENCLOSED BY:

Meaning: Two area range summary records have been configured with one being a subset of the other. This means that one has a shorter mask than the other, and the part of addresses covered by the shorter mask are the same for both records. For example 100.128.0.0/255.128.0.0 and 100.150.0.0/255.0.0.0 are different addresses, but the first is a subset of the second when considering only the masked parts of the address.

Action: Delete the enclosed range, or change the records so that neither is a subset of the other.

Entity Code/Event Code **12/106**

Decimal Identifier **16780394**

Severity: Warning

Message: Area <*area_id*> ENCLOSING RANGE <*ip_address/mask*>

Meaning: Two area range summary records have been configured with one being a subset of the other. This means that one has a shorter mask than the other, and the part of addresses covered by the shorter mask are the same for both records. For example 100.128.0.0/255.128.0.0 and 100.150.0.0/255.0.0.0 are different addresses, but the first is a subset of the second when considering only the masked parts of the address.

Action: Delete the enclosed range, or change the records so that neither is a subset of the other.

Entity Code/Event Code **12/107**

Decimal Identifier **16780395**

Severity: Warning

Message: Src Area <*area_id*> can't export SUM <*ip_address/mask*> TO:

Meaning: A summary range is being originated by two areas.

Action: Check your configuration.

Entity Code/Event Code **12/108**

Decimal Identifier **16780396**

Severity: Warning

Message: Dst Area <*area_id*> already has SUM <*ip_address/mask*>

Meaning: A summary range is being originated by two areas.

Action: Check your configuration.

Entity Code/Event Code **12/109**

Decimal Identifier **16780397**

Severity: Warning

Message: An unnumbered interface may not be broadcast type

Meaning: An unnumbered IP interface has been configured with type 'Broadcast.' This will not work.

Action: Configure the interface with some other type.

Entity Code/Event Code **12/113**

Decimal Identifier **16780401**

Severity: Warning

Message: PRIORITY MISMATCH: reset priority of nbr <*IP_address*> from <*priority*> to <*priority*>

Meaning: A router's neighbor's priority has changed.

Entity Code/Event Code **12/115**

Decimal Identifier **16780403**

Severity: Warning

Message: Bad interface type for interface <*IP_address*>

Meaning: Meaning: An interface was configured with a type other than 'BROADCAST', 'NONBROADCAST', 'POINT_TO_POINT', or 'POINT_TO_MULTIPOINT'.

Meaning: Change the interface type to be one of those mentioned above.

Entity Code/Event Code **12/116**

Decimal Identifier **16780404**

Severity: Warning

Message: C2:Hello Rejected: DR present on PTP link. Check remote side for IP type src<*IP_address*> interface<*IP_address*>

Meaning: Point-to-point links do not have designated routers, but one was detected on this interface.

Action: The neighbor’s interface has probably been configured as Broadcast. Check this and change to point-to-point or point-to-multipoint as appropriate.

Info Events

Entity Code/Event Code **12/33**

Decimal Identifier **16780321**

Severity: Info

Message: Protocol initializing.

Meaning: OSPF is initializing.

Entity Code/Event Code **12/34**
Decimal Identifier **16780322**
Severity: Info
Message: Protocol terminating.
Meaning: OSPF is terminating.

Entity Code/Event Code **12/35**
Decimal Identifier **16780323**
Severity: Info
Message: Interface <*IP_address*> up on circuit <*circuit_no.*>.
Meaning: OSPF has come up on the specified circuit.

Entity Code/Event Code **12/36**
Decimal Identifier **16780324**
Severity: Info
Message: Interface <*IP_address*> down on circuit <*circuit_no.*>.
Meaning: OSPF has gone down on the specified circuit.

Entity Code/Event Code **12/77**
Decimal Identifier **16780365**
Severity: Info
Message: Primary initializing.
Meaning: The OSPF primary is initializing.

Entity Code/Event Code **12/78**
Decimal Identifier **16780366**
Severity: Info
Message: Backup Initializing
Meaning: The OSPF backup is initializing.

Entity Code/Event Code **12/79**

Decimal Identifier **16780367**

Severity: Info

Message: Primary death (old_gh: <*gate_handle_no.*> new_gh: <*gate_handle_no.*> Backup=>Primary transition

Meaning: The OSPF Primary has died; the OSPF Backup is transitioning into Primary state.

Entity Code/Event Code **12/80**

Decimal Identifier **16780368**

Severity: Info

Message: Primary death (old_gh: <*gate_handle_no.*> new_gh: <*gate_handle_no.*> Backup database invalid.

Meaning: The OSPF Primary has died; the OSPF has been unable to transition into Primary state.

Entity Code/Event Code **12/81**

Decimal Identifier **16780369**

Severity: Info

Message: Backup load completed from Primary on slot <*slot_no.*>

Meaning: The OSPF Backup load has been completed on the specified router or BNX slot.

Entity Code/Event Code **12/82**

Decimal Identifier **16780370**

Severity: Info

Message: Primary received load request from Backup on slot <*slot_no.*>

Meaning: The OSPF Primary received a load request from the OSPF Backup on the specified router or BNX slot.

Trace Events

Entity Code/Event Code **12/38**

Decimal Identifier **16780326**

Severity: Trace

Message: T1: IP Interface <*IP_address*> Type: <*interface_type*> Event: <*OSPF_event*> State change: <*state_1*> to <*state_2*>

Meaning: The OSPF interface, of type <*interface_type*>, specified by <*IP_address*>, has transitioned from <*state_1*> to <*state_2*>. The state change was precipitated by <*OSPF_event*>. Interface states (BackupDr, Down, DR, DR Other, Loopback, PtoP, and Waiting) are described in Section 9.1 of RFC 1247; events that cause interface state changes (Backup Seen, Interface Down, Interface Up, Loop Indication, Neighbor Change, Unloop Indication, and Wait Timer) are described in Section 9.2 of RFC 1247.

Entity Code/Event Code **12/39**

Decimal Identifier **16780327**

Severity: Trace

Message: T2: Neighbor <*IP_address*> Event: <*OSPF_event*> State change: <*state_1*> to <*state_2*>

Meaning: OSPF has detected a state change, in the neighbor identified by <*IP_address*>, from <*state_1*> to <*state_2*>. The state change was precipitated by <*OSPF_event*>. Neighbor states (Down, Attempt, Init, 2 Way, Exch Start, Exchange, Loading, Full, and SCVirtual) are described in Section 10.1 of RFC 1247. Events that cause neighbor state changes (Hello Received, Start, Two Way Received, Adjacency OK, Negotiation Done, Seq no. Mismatch, Bad LS Request, Loading Done, One way, Reset Adjacency, Kill Neighbor, Inactivity Timer and Lower Level Down) are described in Section 10.2 of RFC 1247.

Entity Code/Event Code **12/40**

Decimal Identifier **16780328**

Severity: Trace

Message: T3: <*Backup*>Designated Router changed on network: <*IP_address*> <*old_router_IP_address*> to <*new_router_IP_address*>

Meaning: The Designated Router (or the Backup Designated Router) has changed on the network specified by <*IP_address*>. <*old_router_IP_address*> identifies the previous DR or BDR, while <*new_router_IP_address*> identifies the new DR or BDR.

Entity Code/Event Code **12/41**

Decimal Identifier **16780329**

Severity: Trace

Message: T4: Originating new LSA — type <*LS_type*> LSID <*LS_ID*> router <*router_IP_address*>

Meaning: OSPF is originating a new instance of a link state advertisement. <*router_IP_address*> identifies the advertising router. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Depending upon <*LS_type*>, <*LS_ID*> contains an IP address as follows:

LS_type	**LS_ID**
1	Router ID of the originating router
2	IP interface address of the network's DR
3	IP address of the destination address
4	Router ID of the described AS boundary router
5	IP address of the destination network

Entity Code/Event Code **12/42**

Decimal Identifier **16780330**

Severity: Trace

Message: T5: Received new LSA- type <*LS_type*> ls_id <*LS_ID*> router <*router_IP_address*> neighbor <*IP_address*>

Meaning: OSPF received a Link State Update packet (originated by <*router_IP_address*>) from the neighbor identified by <*IP_address*> and has recalculated its routing table. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Depending upon <*LS_type*>, <*LS_ID*> contains an IP address as follows:

LS_type	**LS_ID**
1	Router ID of the originating router
2	IP interface address of the network's DR
3	IP address of the destination address
4	Router ID of the described AS boundary router
5	IP address of the destination network

Entity Code/Event Code **12/43**

Decimal Identifier **16780331**

Severity: Trace

Message: T6: Routing Table changed — type <*LS_type*> dst <*destination_IP_address*> old <*old_next_hop*> new <*new_next_hop*>

Meaning: OSPF has changed an entry in IP's routing table. <*IP_address*> identifies the changed entry, while <*LS_type*> specifies the link state type (LS_RTR, LS_NET, LS_SUM_NET, LS_SUM_ASB or LS_ASE). <*old_next_hop*> and <*new_next_hop*> specify the IP addresses of the old and new next-hop routers. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Entity Code/Event Code **12/66**

Decimal Identifier **16780354**

Severity: Trace

Message: C3: Packet Rejected: LS UPDATE: LESS RECENT RX <*self orig lsa/not my lsa*> src <*IP_address*> type <*LS_type*>ls_id: <*LS_ID*> adv_rtr <*IP_address*>

ls_seq:	ls_age:			
db_seq:	db_age:	elapse:		
freeme:	ackcnt:	nbr_retrans:	nbrEcnt:	Fcnt:

Meaning: OSPF received and rejected a Link State Update packet originated by <*source_IP_address*>. The Link State Update received is less recent than this advertisement in the currently stored database. This is not an abnormal condition; when routers go up and down, their neighboring routers will contain their database. When the exchange process begins, the neighboring router will advertise the router's original database. The routers will soon synchronize.

self orig LSA	indicates that this LSA is one that this router originated
not my LSA	indicates that this LSA is not one that this router originated
ls_seq	sequence of the received LSA
ls_age	age os the recieved LSA
db_seq	sequence of the LSA in the database
db_age	age of the LSA in the database
elapse	number of seconds since the LSA in the database was updated or added
freeme	if "1", indicates that this entry is marked to be deleted from the database
ackcnt	number of acknowledgments that are outstanding
nbr_retrans	if "i", indicates that this LSA is on a neighbor retransmission queue.
nbrEcnt	number of neighbors that are in the Exchange state or greater
Fcnt	number of neighbors in the Full state

Entity Code/Event Code **12/68**

Decimal Identifier **16780356**

Severity: Trace

Message: R3: Received more recent self-originated LSA: type <*LS_type*> ls_id <*LS_ID*> router <*router_IP_address*> neighbor <*IP_address*>

Meaning: OSPF received (from the neighbor identified by <*IP_address*>) a more recent instance of a self-generated advertisement. <*router_IP_address*> identifies the advertising router. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Depending upon <*LS_type*>, <*LS_ID*> contains an IP address as follows:

LS_type	**LS_ID**
1	Router ID of the originating router
2	IP interface address of the network's DR
3	IP address of the destination address
4	Router ID of the described AS boundary router
5	IP address of the destination network

Meaning: This message generally indicates that the router has restarted and lost track of its previous link state advertisement sequences. No action is required. OSPF increments the received sequence number and generates a new advertisement. Persistent messages of this type may indicate duplicate router IDs within the network.

Entity Code/Event Code **12/69**

Decimal Identifier **16780357**

Severity: Trace

Message: R4: Ack received for non-existent LSA: type <*LS_type*> LSID <*LS_ID*> neighbor <*IP_address*>

Meaning: OSPF received an acknowledgment from the neighbor identified by <*IP_address*> for the instance of an advertisement not currently found in the database. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Depending upon <*LS_type*>, <*LS_ID*> contains an IP address as follows:

LS_type	**LS_ID**
1	Router ID of the originating router
2	IP interface address of the network's DR
3	IP address of the destination address
4	Router ID of the described AS boundary router
5	IP address of the destination network

Meaning: This message generally indicates that the router has restarted and lost track of its previous link state advertisement sequences. As such, no action is required. Persistent messages of this type may indicate duplicate router IDs within the network.

Entity Code/Event Code **12/70**

Decimal Identifier **16780358**

Severity: Trace

Message: N3: LSA of MaxAge flushed: type <*LS_type*> LSID <*LS_ID*> router <*router_IP_address*>

Meaning: OSPF has removed an advertisement of MaxAge from its database. <*router_IP_address*> identifies the advertising router. <*LS_type*> contains one of five possible values, as follows:

1	Router links advertisement (LS_RTR)
2	Network links advertisement (LS_NET)
3	Network summary links advertisement (LS_SUM_NET)
4	LS boundary summary links advertisement (LS_SUM_ASB)
5	External links advertisement (LS_ASE)

Depending upon <*LS_type*>, <*LS_ID*> contains an IP address as follows:

LS_type	**LS_ID**
1	Router ID of the originating router
2	IP interface address of the network's DR
3	IP address of the destination address
4	Router ID of the described AS boundary router
5	IP address of the destination network

Entity Code/Event Code **12/81**

Decimal Identifier **16780369**

Severity: Trace

Message: Primary reset nbr <*IP_address*> router <*IP_address*> during Backup load

Meaning: The OSPF Primary reset the specified neighbor.

Entity Code/Event Code **12/82**

Decimal Identifier **16780370**

Severity: Trace

Message: Primary reset nbr<*IP_address*> during Backup load

Meaning: The OSPF Primary reset the specified neighbor address.

Entity Code/Event Code **12/83**

Decimal Identifier **16780371**

Severity: Trace

Message: Primary reset intf <*IP_address*> during Backup load

Meaning: The OSPF primary reset the specified interface address.

Chapter 7
Event Messages (PCAP through RUIBOOT)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from PCAP through RUIBOOT. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

PCAP Events

The Packet Capture service, referred to as the PCAP entity, issues the following event messages. The entity code assigned to PCAP events is 62.

Fault Event

Entity Code/Event Code	**62/1**
Decimal Identifier	**16793089**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	A fatal error occurred in the Packet Capture.
Action:	If this condition persists, contact the Bay Networks Technical Response Center.

Warning Events

Entity Code/Event Code **62/2**

Decimal Identifier **16793090**

Severity: Warning

Message: Pcap_capture_null for line <*line_no.*>

Meaning: A bug in the code loaded an invalid function number.

Action: Send a copy of the log and configuration to the Bay Networks Technical Response Center.

Entity Code/Event Code **62/3**

Decimal Identifier **16793091**

Severity: Warning

Message: No buffer for init stop message — line <*line_no.*>

Meaning: No buffer was available for the interface gate to send a stop indication to the control gate.

Action: Try stopping the capture manually.

Entity Code/Event Code **62/4**

Decimal Identifier **16793092**

Severity: Warning

Message: Fwd of init stop message failed — line <*line_no.*>

Meaning: The forwarding of the stop indication to the control gate failed.

Action: Try stopping the capture manually.

Entity Code/Event Code **62/5**

Decimal Identifier **16793093**

Severity: Warning

Message: No buffer for registration msg — line <*line_no.*>

Meaning: No buffer was available for the interface gate to send a registration message to the control gate.

Action: Disable and enable the interface, or unload and load Packet Capture from that slot.

Entity Code/Event Code **62/6**

Decimal Identifier **16793094**

Severity: Warning

Message: Fwd of registration msg failed — line <*line_no.*>

Meaning: The forwarding of the registration message from the interface gate to the control gate failed.

Action: Disable and enable the interface, or unload and load Packet Capture from that slot.

Entity Code/Event Code **62/7**

Decimal Identifier **16793095**

Severity: Warning

Message: No buffer for init count message — line <*line_no.*>

Meaning: No buffer was available for the interface gate to send a count message to the control gate.

Entity Code/Event Code **62/8**

Decimal Identifier **16793096**

Severity: Warning

Message: Fwd of init count message failed — line <*line_no.*>

Meaning: The forwarding of the count message from the interface gate to the control gate has failed.

Entity Code/Event Code **62/9**

Decimal Identifier **16793097**

Severity: Warning

Message: PktSize greater than BufSize — line <*line_no.*>

Meaning: The number of bytes configured to be saved is greater than the entire configured capture buffer.

Action: Increase the size of the capture buffer or decrease the number of bytes to be saved.

Entity Code/Event Code **62/10**

Decimal Identifier **16793098**

Severity: Warning

Message: BufSize greater than available memory — line <*line_no.*>

Meaning: The configured capture buffer size exceeds the amount of available contiguous memory.

Action: The amount of memory configured must be less than wfKernelEntry.wfKernelMemoryMaxSegFree.<*slot_no.*>

Entity Code/Event Code **62/11**

Decimal Identifier **16793099**

Severity: Warning

Message: wfPktCaptureRxFltr1Type for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/12**

Decimal Identifier **16793100**

Severity: Warning

Message: wfPktCaptureRxFltr1Offset for line <*line_no.*> exceeds buffer

Meaning: The value for this attribute is greater than the size of a buffer on the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/13**

Decimal Identifier **16793101**

Severity: Warning

Message: wfPktCaptureRxFltr1Ref for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/14**

Decimal Identifier **16793102**

Severity: Warning

Message: wfPktCaptureRxFltr1Size for line <*line_no.*> invalid

Meaning: The value for this attribute plus the value of wfPktCaptureRxFltr1Offset is greater than the size of a buffer on the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/15**

Decimal Identifier **16793103**

Severity: Warning

Message: wfPktCaptureRxFltr1Match length for line <*line_no.*> invalid

Meaning: The size of this attribute does not match the value of wfPktCaptureRxFltr1Size.

Action: Change the string or change the size.

Entity Code/Event Code **62/16**

Decimal Identifier **16793104**

Severity: Warning

Message: wfPktCaptureRxFltr2Type for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/17**

Decimal Identifier **16793105**

Severity: Warning

Message: Filters configured out of order for line <*line_no.*>

Meaning: Configure filters in order. If you use only one filter, use filter one, not filter two.

Action: Configure the correct filter number.

Entity Code/Event Code **62/18**

Decimal Identifier **16793106**

Severity: Warning

Message: Rx trigger filter for line <*line_no.*> must be last

Meaning: A trigger filter must be the last filter configured. If it is the only filter, it must be filter one. If it is not the only filter, then it must be the last filter configured.

Action: Configure the correct filter number.

Entity Code/Event Code **62/19**

Decimal Identifier **16793107**

Severity: Warning

Message: Only one rx trigger filter allowed — line <*line_no.*>

Meaning: Only one trigger filter can be configured at a time.

Action: Remove the extra trigger filter.

Entity Code/Event Code **62/20**

Decimal Identifier **16793108**

Severity: Warning

Message: wfPktCaptureRxFltr2Offset for line <*line_no.*> exceeds buffer

Meaning: The value of this attribute exceeds the size of a buffer for the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/21**

Decimal Identifier **16793109**

Severity: Warning

Message: wfPktCaptureRxFltr2Ref for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/22**

Decimal Identifier **16793110**

Severity: Warning

Message: wfPktCaptureRxFltr2Size for line <*line_no.*> invalid

Meaning: The value of this attribute plus the value of wfPktCaptureRxFltr2Offset is greater than the size of a buffer for the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/23**

Decimal Identifier **16793111**

Severity: Warning

Message: wfPktCaptureRxFltr2Match length for line <*line_no.*> invalid

Meaning: The length of this attribute does not match the value of wfPktCaptureRxFltr2Size.

Action: Change the string or the size attribute.

Entity Code/Event Code **62/24**

Decimal Identifier **16793112**

Severity: Warning

Message: wfPktCaptureRxFltr2Group for line <*line_no.*> invalid

Meaning: The value of this attribute is not 1 or 2.

Action: Configure a valid value.

Entity Code/Event Code **62/25**

Decimal Identifier **16793113**

Severity: Warning

Message: Rx trgr fltr configured but trgr is full for line <*line_no.*>

Meaning: A trigger filter has been configured but the wfPktCaptureRxTrigger attribute is set to FULL (1).

Action: Remove the trigger filter or change wfPktCaptureTrigger to one of the filter match values (2 or 3).

Entity Code/Event Code **62/26**

Decimal Identifier **16793114**

Severity: Warning

Message: wfPktCaptureRxFltr1Type not a trgr fltr — line <*line_no.*>

Meaning: RxTrigger attribute was set to MATCH1 (2) but wfPktCaptureRxFltr1Type is not a trigger filter.

Action: Change the filter or trigger type.

Entity Code/Event Code **62/27**

Decimal Identifier **16793115**

Severity: Warning

Message: wfPktCaptureRxFltr2Type not a trgr fltr — line <*line_no.*>

Meaning: The wfPktCaptureRxTrigger attribute was set to MATCH2 (3) but wfPktCaptureRxFltr2Type is not a trigger filter.

Action: Change the filter or trigger type.

Entity Code/Event Code **62/28**

Decimal Identifier **16793116**

Severity: Warning

Message: No rx trgr for configured rx trgr fltr — line <*line_no.*>

Meaning: A trigger filter was configured, but no trigger was configured.

Action: Remove the trigger filter or set wfPktCaptureRxTrigger to a filter match value.

Entity Code/Event Code **62/29**

Decimal Identifier **16793117**

Severity: Warning

Message: wfPktCaptureRxTrigger for line <*line_no.*> invalid

Meaning: The value of this attribute is not 1, 2, 3, or 4.

Action: Configure a valid value.

Entity Code/Event Code **62/30**

Decimal Identifier **16793118**

Severity: Warning

Message: wfPktCaptureTxFltr1Type for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/31**

Decimal Identifier **16793119**

Severity: Warning

Message: wfPktCaptureTxFltr1Offset for line <*line_no.*> exceeds buffer

Meaning: The value for this attribute is greater than the size of a buffer on the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/32**

Decimal Identifier **16793120**

Severity: Warning

Message: wfPktCaptureTxFltr1Ref for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/33**

Decimal Identifier **16793121**

Severity: Warning

Message: wfPktCaptureTxFltr1Size for line <*line_no.*> invalid

Meaning: The value for this attribute plus the value of wfPktCaptureTxFltr1Offset is greater than the size of a buffer on the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/34**

Decimal Identifier **16793122**

Severity: Warning

Message: wfPktCaptureTxFltr1Match length for line <*line_no.*> invalid

Meaning: The size of this attribute does not match the value of wfPktCaptureTxFltr1Size.

Action: Change the string or change the size.

Entity Code/Event Code **62/35**

Decimal Identifier **16793123**

Severity: Warning

Message: wfPktCaptureTxFltr2Type for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/36**

Decimal Identifier **16793124**

Severity: Warning

Message: Tx trigger filter for line <*line_no.*> must be last

Meaning: A trigger filter must be the last filter configured. If it is the only filter, it must be filter one. If it is not the only filter, then it must be the last filter configured.

Action: Configure the correct filter number.

Entity Code/Event Code **62/37**

Decimal Identifier **16793125**

Severity: Warning

Message: Only one tx trigger filter allowed — line <*line_no.*>

Meaning: Only one trigger filter can be configured at a time.

Action: Remove the extra trigger filter.

Entity Code/Event Code **62/38**

Decimal Identifier **16793126**

Severity: Warning

Message: wfPktCaptureTxFltr2Offset for line <*line_no.*> exceeds buffer

Meaning: The value of this attribute exceeds the size of a buffer for the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/39**

Decimal Identifier **16793127**

Severity: Warning

Message: wfPktCaptureTxFltr2Ref for line <*line_no.*> invalid

Meaning: The value for this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/40**

Decimal Identifier **16793128**

Severity: Warning

Message: wfPktCaptureTxFltr2Size for line <*line_no.*> invalid

Meaning: The value of this attribute plus the value of wfPktCaptureTxFltr2Offset is greater than the size of a buffer for the slot.

Action: Configure a valid value.

Entity Code/Event Code **62/41**

Decimal Identifier **16793129**

Severity: Warning

Message: wfPktCaptureTxFltr2Match length for line <*line_no.*> invalid

Meaning: The length of this attribute does not match the value of wfPktCaptureTxFltr2Size.

Action: Change the string or the size attribute.

Entity Code/Event Code **62/42**

Decimal Identifier **16793130**

Severity: Warning

Message: wfPktCaptureTxFltr2Group for line <*line_no.*> invalid

Meaning: The value of this attribute is not 1 or 2.

Action: Configure a valid value.

Entity Code/Event Code **62/43**

Decimal Identifier **16793131**

Severity: Warning

Message: Tx trgr fltr configured but trgr is full for line <*line_no.*>

Meaning: A trigger filter has been configured but the wfPktCaptureTxTrigger attribute is set to FULL (1).

Action: Remove the trigger filter or change wfPktCaptureTxTrigger to one of the filter match values (2 or 3).

Entity Code/Event Code **62/44**

Decimal Identifier **16793132**

Severity: Warning

Message: wfPktCaptureTxFltr1Type not a trgr fltr — line <*line_no.*>

Meaning: The wfPktCaptureRxTrigger attribute was set to MATCH1 (2) but wfPktCaptureTxFltr1Type is not a trigger filter.

Action: Change either the filter or the trigger type.

Entity Code/Event Code **62/45**

Decimal Identifier **16793133**

Severity: Warning

Message: wfPktCaptureTxFltr2Type not a trgr fltr — line <*line_no.*>

Meaning: The wfPktCaptureTxTrigger attribute was set to MATCH2 (3) but wfPktCaptureTxFltr2Type is not a trigger filter.

Action: Change either the filter or the trigger type.

Entity Code/Event Code **62/46**

Decimal Identifier **16793134**

Severity: Warning

Message: No tx trgr for configured tx trgr fltr — line <*line_no.*>

Meaning: A trigger filter was configured, but no trigger was configured.

Action: Either remove the trigger filter or set wfPktCaptureTxTrigger to a filter match value.

Entity Code/Event Code **62/47**

Decimal Identifier **16793135**

Severity: Warning

Message: wfPktCaptureTxTrigger for line <*line_no.*> invalid

Meaning: The value of this attribute is not 1, 2, 3 or 4.

Action: Configure a valid value.

Entity Code/Event Code **62/48**

Decimal Identifier **16793136**

Severity: Warning

Message: No buffer for stop message — line <*line_no.*>

Meaning: No buffer was available for the stop message.

Action: Try manually stopping the capture.

Entity Code/Event Code **62/49**

Decimal Identifier **16793137**

Severity: Warning

Message: Fwd of stop message failed — line <*line_no.*>

Meaning: The forwarding of the stop message failed.

Action: Try manually stopping the capture.

Entity Code/Event Code **62/50**

Decimal Identifier **16793138**

Severity: Warning

Message: No buffer for start message — line <*line_no.*>

Meaning: No buffer was available for the start message.

Action: Try manually starting the capture.

Entity Code/Event Code **62/51**

Decimal Identifier **16793139**

Severity: Warning

Message: Fwd of start message failed — line <*line_no.*>

Meaning: The forwarding of the start message failed.

Action: Try manually starting the capture.

Entity Code/Event Code **62/52**

Decimal Identifier **16793140**

Severity: Warning

Message: No buffer for init message — line <*line_no.*>

Meaning: No buffer was available for the init message.

Action: Try manually disabling the interface.

Entity Code/Event Code **62/53**

Decimal Identifier **16793141**

Severity: Warning

Message: Fwd of init message failed — line <*line_no.*>

Meaning: The forwarding of the init message has failed.

Action: Try manually disabling the interface.

Entity Code/Event Code **62/54**

Decimal Identifier **16793142**

Severity: Warning

Message: wfPktCaptureBufSize for line <*line_no.*> invalid

Meaning: The value of this attribute multiplied by 1024 exceeds available contiguous memory.

Action: Check wfKernelEntry.wfKernelMaxSegSize.<*slot_no.*> for available contiguous memory.

Entity Code/Event Code **62/55**

Decimal Identifier **16793143**

Severity: Warning

Message: wfPktCapturePktSize for line <*line_no.*> invalid

Meaning: The value of this attribute multiplied by 32 exceeds 1024.

Action: Configure a valid value.

Entity Code/Event Code **62/56**

Decimal Identifier **16793144**

Severity: Warning

Message: PktSize greater than BufSize for line <*line_no.*>

Meaning: The value of wfPktCapturePktSize is greater than the value of wfPktCaptureBufSize.

Action: Configure a valid value.

Entity Code/Event Code **62/57**

Decimal Identifier **16793145**

Severity: Warning

Message: wfPktCaptureDirection for line <*line_no.*> invalid

Meaning: The value of this attribute is not 1, 2, or 3.

Action: Configure a valid value.

Entity Code/Event Code **62/97**

Decimal Identifier **16793185**

Severity: Warning

Message: Capture buffer allocation leaves less than 200kb free

Meaning: The capture buffer memory allocation will leave less than 200 KB of contiguous memory free.

Action: None needed unless errors occur because of a lack of available memory. In this case, create a smaller capture buffer.

Info Events

Entity Code/Event Code **62/58**

Decimal Identifier **16793146**

Severity: Info

Message: Service initializing.

Meaning: The Packet Capture subsystem has been loaded.

Entity Code/Event Code **62/59**

Decimal Identifier **16793147**

Severity: Info

Message: Triggered stop has occurred — line <*line_no.*>

Meaning: A capture stopped because of a trigger

Entity Code/Event Code **62/60**

Decimal Identifier **16793148**

Severity: Info

Message: Rx capture started — line <*line_no.*> <*function_index*>

Meaning: A capture has been started.

Entity Code/Event Code **62/61**

Decimal Identifier **16793149**

Severity: Info

Message: Tx capture started — line <*line_no.*> <*function_index*>

Meaning: A capture has been started.

PING Events

The PING entity issues the following event messages. The entity code assigned to the PING events is 85.

Fault Event

Entity Code/Event Code **85/1**

Decimal Identifier **16798977**

Severity: Fault

Message: System error, service attempting restart.

Meaning: PING experienced a fatal error and is restarting automatically. PING will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call your local Bay Networks Technical Response Center if PING fails to restart.

Info Events

Entity Code/Event Code **85/2**

Decimal Identifier **16798978**

Severity: Info

Message: Protocol initializing.

Meaning: PING is initializing.

Entity Code/Event Code **85/4**

Decimal Identifier **16798980**

Severity: Info

Message: Disabling Ping Timer for address *<IP_address>*.

Meaning: Someone changed the IP Ping Timer parameter from a nonzero value to zero. As a result, the timer will not go off.

PPP Events

The Point-to-Point Protocol service, referred to as the PPP entity, issues the following event messages. The entity code assigned to PPP events is 44.

Fault Event

Entity Code/Event Code **44/1**

Decimal Identifier **16788481**

Severity: Fault

Message: System Error, service attempting restart

Meaning: PPP experienced a fatal error and is restarting automatically. PPP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if PPP fails to restart.

Warning Events

Entity Code/Event Code **44/2**

Decimal Identifier **16788482**

Severity: Warning

Message: Circuit record does not exist for circuit <*circuit_no.*>.

Meaning: The router attempted to find a circuit record for circuit <*circuit_no.*>; however, the circuit record does not exist.

Entity Code/Event Code **44/3**

Decimal Identifier **16788483**

Severity: Warning

Message: Line record does not exist for line <*line_no.*>.

Meaning: The router attempted to find a line record for line <*line_no.*>; however, the line record does not exist. The line number is assigned by the driver.

Entity Code/Event Code **44/4**

Decimal Identifier **16788484**

Severity: Warning

Message: Circuit record is disabled on circuit <*circuit_no.*>.

Meaning: Circuit <*circuit_no.*> has been disabled.

Entity Code/Event Code **44/5**

Decimal Identifier **16788485**

Severity: Warning

Message: Peer is using same Magic number, possible loopback condition on circuit <*circuit_no.*>.

Meaning: Both the local and remote peer may be using the same PPP magic number.

Action: Make sure that PPP traffic sent out on circuit <*circuit_no.*> is not being looped back to the local router.

Entity Code/Event Code **44/6**

Decimal Identifier **16788486**

Severity: Warning

Message: Configuration not converging for <*protocol*> on circuit <*circuit_no.*>.

Meaning: The PPP interface configured on circuit <*circuit_no.*> is not converging, because the peer routers cannot agree on the NCP options for the <*protocol*>.

Action: Disable the PPP interface, change the NCP options for <*protocol*>, then re-enable the interface.

Entity Code/Event Code **44/7**

Decimal Identifier **16788487**

Severity: Warning

Message: No buffers available on circuit <*circuit_no.*>.

Meaning: Circuit <*circuit_no.*> has run out of buffer space.

Entity Code/Event Code **44/8**

Decimal Identifier **16788488**

Severity: Warning

Message: Peer not responding to Echo-Requests on circuit <*circuit_no.*>.

Meaning: The peer PPP router is not responding to Echo Request packets transmitted by the local router on circuit <*circuit_no.*>.

Action: Check to make certain that the LCP is in the opened state.

Entity Code/Event Code **44/9**

Decimal Identifier **16788489**

Severity: Warning

Message: Circuit <*circuit_no.*> rejecting packet - larger than MTU size.

Meaning: The router will not transmit a packet on PPP circuit <*circuit_no.*>, because it is larger than the configured Maximum Transfer Unit (MTU) size.

Action: Increase the MTU size for the PPP line and force LCP renegotiation by disabling, then reenabling, the LCP.

Entity Code/Event Code **44/10**

Decimal Identifier **16788490**

Severity: Warning

Message: Peer sent incorrect PAP ID <*PAD_ID*> on circuit <*circuit_no.*>.

Meaning: The router received an Authenticate Request packet from its peer on circuit <*circuit_no.*> that contained an incorrect PAP ID.

Action: Make sure that the peer router is configured with the correct PAP ID.

Entity Code/Event Code **44/11**

Decimal Identifier **16788491**

Severity: Warning

Message: Peer sent incorrect PAP Password <*PAP password*> on circuit <*circuit_no.*>.

Meaning: The router received an Authenticate Request packet from its peer on circuit <*circuit_no.*> that contained an incorrect PAP password.

Action: Make sure that the peer router is configured with the correct PAP password.

Entity Code/Event Code **44/12**

Decimal Identifier **16788492**

Severity: Warning

Message: Expecting authentication message from peer on circuit <*circuit_no.*>.

Meaning: The router expected an authentication message from its peer on PPP circuit <*circuit_no.*>, but never received one.

Action: Check the PPP configuration on the peer router.

Entity Code/Event Code **44/13**

Decimal Identifier **16788493**

Severity: Warning

Message: Expected LQRs from peer not received on circuit <*circuit_no.*>.

Meaning: The router expected LQR packets from its peer on PPP circuit <*circuit_no.*>, but never received any.

Action: Check the PPP configuration on the peer router.

Entity Code/Event Code **44/14**

Decimal Identifier **16788494**

Severity: Warning

Message: Back to receiving LQRs from peer on circuit <*circuit_no.*>.

Meaning: The router is once again receiving LQR packets from its peer on PPP circuit <*circuit_no.*> (following a period when no LQR packets had been received).

Entity Code/Event Code **44/15**

Decimal Identifier **16788495**

Severity: Warning

Message: Inbound link quality at <*link_quality_percentage*> on circuit <*circuit_no.*>.

Meaning: The link quality of inbound LQR packets received on PPP circuit <*circuit_no.*> is at <*link_quality_percentage*>.

Entity Code/Event Code **44/16**

Decimal Identifier **16788496**

Severity: Warning

Message: Outbound link quality at <*outbound_ link_quality_percentage*> on circuit <*circuit_no.*>.

Meaning: The link quality of outbound LQR packets transmitted on PPP circuit <*circuit_no.*> is at <*link_quality_percentage*>.

Entity Code/Event Code **44/17**

Decimal Identifier **16788497**

Severity: Warning

Message: Received LQR with no change in PeerInLQRs on circuit <*circuit_no.*>.

Meaning: The router received an LQR packet on circuit <*circuit_no.*> with the PeerInLQRs value set to the same value as the previously received LQR packet.

Entity Code/Event Code **44/18**

Decimal Identifier **16788498**

Severity: Warning

Message: Received LQR with inbound line errors on circuit <*circuit_no.*>.

Meaning: The router received an inbound LQR packet on PPP circuit <*circuit_no.*> that contained line errors.

Entity Code/Event Code **44/19**

Decimal Identifier **16788499**

Severity: Warning

Message: Received LQR with outbound line errors on circuit <*circuit_no.*>.

Meaning: The router received an outbound LQR packet on PPP circuit <*circuit_no.*> that contained line errors.

Entity Code/Event Code **44/20**

Decimal Identifier **16788500**

Severity: Warning

Message: Received LQR with inbound congestion indication on circuit <*circuit_no.*>.

Meaning: The router received an inbound LQR packet on PPP circuit <*circuit_no.*> that indicated line congestion.

Entity Code/Event Code **44/21**

Decimal Identifier **16788501**

Severity: Warning

Message: Received LQR with outbound congestion indication on circuit <*circuit_no.*>.

Meaning: The router received an outbound LQR packet on PPP circuit <*circuit_no.*> that indicated line congestion.

Entity Code/Event Code **44/22**

Decimal Identifier **16788502**

Severity: Warning

Message: Not expecting PAP Authenticate-Request on circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/23**

Decimal Identifier **16788503**

Severity: Warning

Message: Not expecting PAP Authenticate-ACK on circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate ACK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/24**

Decimal Identifier **16788504**

Severity: Warning

Message: Not expecting PAP Authenticate-NAK on circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate NAK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/25**

Decimal Identifier **16788505**

Severity: Warning

Message: Received PAP message with incorrect identifier on circuit <*circuit_no.*>.

Meaning: The router received a PAP message on circuit <*circuit_no.*> that contained an incorrect PAP message identifier.

Entity Code/Event Code **44/82**

Decimal Identifier **16788562**

Severity: Warning

Message: Falling back to PAP on circuit <*circuit_no.*>.

Meaning: The router has been unable to establish a link using CHAP. It will try to establish the link using PAP

Entity Code/Event Code **44/91**

Decimal Identifier **16788571**

Severity: Warning

Message: Not expecting CHAP message on circuit <*circuit_no.*>.

Meaning: The router received an unexpected CHAP message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/92**

Decimal Identifier **16788572**

Severity: Warning

Message: No CHAP secret configured on circuit <*circuit_no.*>.

Meaning: No CHAP secret is configured on circuit <*circuit_no.*>.

Action: If you want to use CHAP on the specified circuit, configure a CHAP secret.

Entity Code/Event Code **44/93**

Decimal Identifier **16788573**

Severity: Warning

Message: Expecting CHAP Response message from peer on circuit <*circuit_no.*>.

Meaning: The router expects a CHAP response message from its peer on circuit <*circuit_no.*>.

Entity Code/Event Code **44/94**

Decimal Identifier **16788574**

Severity: Warning

Message: Expecting CHAP Challenge message from peer on circuit <*circuit_no.*>.

Meaning: The router expects a CHAP Challenge message from its peer on circuit <*circuit_no.*>.

Entity Code/Event Code **44/95**

Decimal Identifier **16788575**

Severity: Warning

Message: Expecting CHAP Success/Fail message from peer on circuit <*circuit_no.*>.

Meaning: The router expects a CHAP Success/Fail message from its peer on circuit <*circuit_no.*>.

Entity Code/Event Code **44/96**

Decimal Identifier **16788576**

Severity: Warning

Message: Received CHAP message with incorrect identifier on circuit <*circuit_no.*>.

Meaning: The router has received a CHAP message with an incorrect identifier on circuit <*circuit_no.*>.

Action: Make sure that the peer router is configured with the correct identifier.

Entity Code/Event Code **44/97**

Decimal Identifier **16788577**

Severity: Warning

Message: Received incorrect CHAP response from peer on circuit <*circuit_no.*>.

Meaning: The router has received an incorrect CHAP response from its peer on circuit <*circuit_no.*>.

Action: Make sure that CHAP is correctly configured on the peer router.

Entity Code/Event Code **44/98**

Decimal Identifier **16788578**

Severity: Warning

Message: Failed to locate '<*text_string*>' in WHOAMI table.

Meaning: The router is unable to locate the PAP ID or CHAP Name in the WHOAMI table.Either CHAP or PAP is misconfigured.

Action: Check your configuration of PAP and CHAP.

Entity Code/Event Code **44/105**

Decimal Identifier **16788585**

Severity: Warning

Message: Circuit record does not exist for line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router attempted to find a circuit record for line number <*line_no.*>, circuit <*circuit_no.*>; however, the circuit record does not exist.

Entity Code/Event Code **44/106**

Decimal Identifier **16788586**

Severity: Warning

Message: Line record does not exist for line <*line_no.*>.

Meaning: The router attempted to find a line record for line <*line_no.*>; however, the line record does not exist. The line number is assigned by the driver.

Entity Code/Event Code **44/107**

Decimal Identifier **16788587**

Severity: Warning

Message: Circuit record is disabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Circuit <*circuit_no.*> has been disabled on line number <*line_no.*>.

Entity Code/Event Code **44/108**

Decimal Identifier **16788588**

Severity: Warning

Message: Peer is using same Magic number, possible loopback condition on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Both the local and remote peer may be using the same PPP magic number. There is a possible loopback condition on line number <*line_no.*>, circuit <*circuit_no.*>.

Action: Make sure that PPP traffic sent out on line number <*line_no.*>, circuit <*circuit_no.*> is not being looped back to the local router.

Entity Code/Event Code **44/109**

Decimal Identifier **16788589**

Severity: Warning

Message: Configuration not converging for <*option*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The PPP interface configured on line number <*line_no.*>, circuit <*circuit_no.*> is not converging, because the peer routers cannot agree on the NCP options for the <*protocol*>.

Action: Disable the PPP interface, change the NCP options for <*protocol*>, then re-enable the interface.

Entity Code/Event Code **44/110**

Decimal Identifier **16788590**

Severity: Warning

Message: No buffers available on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Line number <*line_no.*>, circuit <*circuit_no.*> has run out of buffer space.

Entity Code/Event Code **44/111**

Decimal Identifier **16788591**

Severity: Warning

Message: Peer not responding to Echo-Requests on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The peer PPP router is not responding to Echo Request packets transmitted by the local router on line number <*line_no.*>, circuit <*circuit_no.*>.

Action: Check to make certain that the LCP is in the opened state.

Entity Code/Event Code **44/112**

Decimal Identifier **16788592**

Severity: Warning

Message: Line <*line_no.*>, Circuit <*circuit_no.*> rejecting packet - larger than MTU size.

Meaning: The router will not transmit a packet on PPP line number <*line_no.*>, circuit <*circuit_no.*>, because it is larger than the configured Maximum Transfer Unit (MTU) size.

Action: Increase the MTU size for the PPP line and force LCP renegotiation by disabling, then reenabling, the LCP.

Entity Code/Event Code **44/113**

Decimal Identifier **16788593**

Severity: Warning

Message: Peer sent incorrect PAP ID '<*received_ID*>' on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an Authenticate Request packet from its peer on line number <*line_no.*>, circuit <*circuit_no.*> that contained an incorrect PAP ID.

Action: Make sure that the peer router is configured with the correct PAP ID.

Entity Code/Event Code **44/114**

Decimal Identifier **16788594**

Severity: Warning

Message: Peer sent incorrect PAP Password '<*received_password*>' on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an Authenticate Request packet from its peer on line number <*line_no.*>, circuit <*circuit_no.*> that contained an incorrect PAP password.

Action: Make sure that the peer router is configured with the correct PAP password.

Entity Code/Event Code **44/115**

Decimal Identifier **16788595**

Severity: Warning

Message: Expecting authentication message from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router expected an authentication message from its peer on PPP line number <*line_no.*>, circuit <*circuit_no.*>, but never received one.

Action: Check the PPP configuration on the peer router.

Entity Code/Event Code **44/116**

Decimal Identifier **16788596**

Severity: Warning

Message: Expected LQRs from peer not received on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router expected LQR packets from its peer on PPP line number <*line_no.*>, circuit <*circuit_no.*>, but never received any.

Action: Check the PPP configuration on the peer router.

Entity Code/Event Code **44/117**

Decimal Identifier **16788597**

Severity: Warning

Message: Back to receiving LQRs from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is once again receiving LQR packets from its peer on PPP line number <*line_no.*>, circuit <*circuit_no.*> (following a period when no LQR packets had been received).

Entity Code/Event Code **44/118**

Decimal Identifier **16788598**

Severity: Warning

Message: Inbound link quality at <*link_quality_percentage*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The link quality of inbound LQR packets received on PPP line number <*line_no.*>, circuit <*circuit_no.*> is at <*link_quality_percentage*>

Entity Code/Event Code **44/119**

Decimal Identifier **16788599**

Severity: Warning

Message: Outbound link quality at <*link_quality_percentage*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The link quality of outbound LQR packets transmitted on PPP line number <*line_no.*>, circuit <*circuit_no.*> is at <*link_quality_percentage*>.

Entity Code/Event Code **44/120**

Decimal Identifier **16788600**

Severity: Warning

Message: Received LQR with no change in PeerInLQRs on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an LQR packet on line number <*line_no.*>, circuit <*circuit_no.*> with the PeerInLQRs value set to the same value as the previously received LQR packet.

Entity Code/Event Code **44/121**

Decimal Identifier **16788601**

Severity: Warning

Message: Received LQR with inbound line errors on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an inbound LQR packet on PPP line number <*line_no.*>, circuit <*circuit_no.*> that contained line errors.

Entity Code/Event Code **44/122**

Decimal Identifier **16788602**

Severity: Warning

Message: Received LQR with outbound line errors on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an outbound LQR packet on PPP line number <*line_no.*>, circuit <*circuit_no.*> that contained line errors.

Entity Code/Event Code **44/123**

Decimal Identifier **16788603**

Severity: Warning

Message: Received LQR with inbound congestion indication on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an inbound LQR packet on PPP line number <*line_no.*>, circuit <*circuit_no.*> that indicated line congestion.

Entity Code/Event Code **44/124**

Decimal Identifier **16788604**

Severity: Warning

Message: Received LQR with outbound congestion indication on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an outbound LQR packet on PPP line number <*line_no.*>, circuit <*circuit_no.*> that indicated line congestion.

Entity Code/Event Code **44/125**

Decimal Identifier **16788605**

Severity: Warning

Message: Not expecting PAP Authenticate-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate Request packet on PPP line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/126**

Decimal Identifier **16788606**

Severity: Warning

Message: Not expecting PAP Authenticate-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate ACK packet on PPP line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/127**

Decimal Identifier **16788607**

Severity: Warning

Message: Not expecting PAP Authenticate-Nak on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an unexpected PAP Authenticate NAK packet on PPP line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/128**

Decimal Identifier **16788608**

Severity: Warning

Message: Received PAP message with incorrect identifier on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received a PAP message on line number <*line_no.*>, circuit <*circuit_no.*> that contained an incorrect PAP message identifier.

Entity Code/Event Code **44/129**

Decimal Identifier **16788608**

Severity: Warning

Message: Loopback detected by <*protocol*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The<*protocol*> has detected a loopback condition line number <*line_no.*>, circuit <*circuit_no.*>

Action: Make sure that PPP traffic sent out on line number <*line_no.*>, circuit <*circuit_no.*> is not being looped back to the local router.

Entity Code/Event Code **44/179**

Decimal Identifier **16788659**

Severity: Warning

Message: Falling back to CHAP on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has been unable to establish a link using PAP for authentication on line number <*line_no.*>, circuit <*circuit_no.*>. It will try to establish the link using CHAP.

Entity Code/Event Code **44/188**

Decimal Identifier **16788668**

Severity: Warning

Message: Not expecting CHAP message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received an unexpected CHAP message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/189**

Decimal Identifier **16788669**

Severity: Warning

Message: No CHAP secret configured on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: No CHAP secret is configured on line number <*line_no.*>, circuit <*circuit_no.*>.

Action: If you want to use CHAP on the specified circuit, configure a CHAP secret.

Entity Code/Event Code **44/190**

Decimal Identifier **16788670**

Severity: Warning

Message: Expecting CHAP Challenge message from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router expects a CHAP challenge message from its peer on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/191**

Decimal Identifier **16788671**

Severity: Warning

Message: Expecting CHAP Success/Fail message from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router expects a CHAP response message from its peer on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/192**

Decimal Identifier **16788672**

Severity: Warning

Message: Received CHAP message with incorrect identifier on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a CHAP message with an incorrect identifier on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/193**

Decimal Identifier **16788673**

Severity: Warning

Message: Received incorrect CHAP response from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received an incorrect CHAP response from its peer on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/195**

Decimal Identifier **16788675**

Severity: Warning

Message: PAP not configured locally, or CHAP remotely on switched line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: PAP is not configured on the called router. CHAP is not configured on the calling router. Because either PAP or CHAP must be configured on both routers for identification purposes, these two routers cannot make a connection.

Action: Configure either PAP or CHAP or both on both routers.

Entity Code/Event Code **44/196**

Decimal Identifier **16788676**

Severity: Warning

Message: No CHAP configured on switched line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: CHAP is not configured on the indicated line and circuit, on which it was expected. Because of this, there is no connection.

Action: Configure CHAP on both peers.

Entity Code/Event Code **44/197**

Decimal Identifier **16788677**

Severity: Warning

Message: Expecting CHAP Response message from peer on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router expects a CHAP response message from its peer on line number <*line_no.*>, circuit <*circuit_no.*>, but did not receive one.

Entity Code/Event Code **44/201**

Decimal Identifier **16788681**

Severity: Warning

Message: Link quality below configured minimum, killing line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The link quality has fallen below the minimum threshold configured for the indicated line and circuit. The link monitor will observe link performance will not send any more data packets until the line quality is again acceptable.

Action: The link can recover spontaneously, so no action is required; however, if this message occurs often, consider taking the line out of service or changing the configured minimum line quality parameter.

Entity Code/Event Code **44/202**

Decimal Identifier **16788682**

Severity: Warning

Message: No CHAP Name found for line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: No CHAP Name was found for the indicated line and circuit, on which one was expected.

Action: Configure a CHAP Name for this line and circuit.

Info Events

Entity Code/Event Code **44/26**

Decimal Identifier **16788506**

Severity: Info

Message: Interface up on circuit <*circuit_no.*>.

Meaning: PPP is enabled on circuit <*circuit_no.*>.

Entity Code/Event Code **44/27**

Decimal Identifier **16788507**

Severity: Info

Message: Interface down on circuit <*line_no.*>.

Meaning: PPP is disabled on circuit <*circuit_no.*>.

Entity Code/Event Code **44/28**

Decimal Identifier **16788508**

Severity: Info

Message: <*protocol*> up on circuit <*circuit_no.*>.

Meaning: The NCP for <*protocol*> has reached the open state on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/29**

Decimal Identifier **16788509**

Severity: Info

Message: <*protocol*> down on circuit <*circuit_no.*>.

Meaning: The NCP for <*protocol*> has been shut down on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/30**

Decimal Identifier **16788510**

Severity: Info

Message: Starting Network Control Protocols on circuit <*circuit_no.*>.

Meaning: NCP negotiations have begun on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/31**

Decimal Identifier **16788511**

Severity: Info

Message: Stopping Network Control Protocols on circuit <*circuit_no.*>.

Meaning: NCP negotiations have been stopped on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/32**

Decimal Identifier **16788512**

Severity: Info

Message: Link Quality Reporting off on circuit <*circuit_no.*>.

Meaning: LQR has been disabled on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/33**

Decimal Identifier **16788513**

Severity: Info

Message: Link Quality Reporting on circuit <*circuit_no.*>.

Meaning: Link Quality Reporting has been enabled on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/34**

Decimal Identifier **16788514**

Severity: Info

Message: Duplicate <*protocol*> ACK being dropped on circuit <*circuit_no.*>.

Meaning: The router received a duplicate <*protocol*> ACK on PPP circuit <*circuit_no.*>. As a result, the <*protocol*> ACK was dropped.

Entity Code/Event Code **44/35**

Decimal Identifier **16788515**

Severity: Info

Message: <*protocol*> ACK already received, dropping NAK on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> NAK on PPP circuit <*circuit_no.*> after receiving a <*protocol*> ACK. As a result, the <*protocol*> NAK was dropped.

Entity Code/Event Code **44/36**

Decimal Identifier **16788516**

Severity: Info

Message: Echo packets disabled on circuit <*circuit_no.*>.

Meaning: The router is not generating Echo packets on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/37**

Decimal Identifier **16788517**

Severity: Info

Message: Echo packets enabled on circuit <*circuit_no.*>.

Meaning: The router is generating Echo packets on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/38**

Decimal Identifier **16788518**

Severity: Info

Message: Link establishment phase complete on circuit <*circuit_no.*>.

Meaning: The router has completed the link establishment phase on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/39**

Decimal Identifier **16788519**

Severity: Info

Message: Authentication phase complete on circuit <*circuit_no.*>.

Meaning: The router has completed the authentication phase on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/40**

Decimal Identifier **16788520**

Severity: Info

Message: PAP enabled on circuit <*circuit_no.*>.

Meaning: The Password Authentication Protocol is enabled on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/41**

Decimal Identifier **16788521**

Severity: Info

Message: PAP disabled on circuit <*circuit_no.*>.

Meaning: The Password Authentication Protocol is disabled on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/42**

Decimal Identifier **16788522**

Severity: Info

Message: Inbound/Outbound link quality back to desired level on circuit <*circuit_no.*>.

Meaning: The link quality of inbound and outbound packets has improved to the desired level (percentage) for PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/43**

Decimal Identifier **16788523**

Severity: Info

Message: Added <*protocol*> to WHOAMI table.

Meaning: The <*protocol*> has been added to the WHOAMI table.

Entity Code/Event Code **44/76**

Decimal Identifier **16788556**

Severity: Info

Message: Service initializing

Meaning: PPP is initializing.

Entity Code/Event Code **44/77**

Decimal Identifier **16788557**

Severity: Info

Message: Service terminating

Meaning: PPP is terminating.

Entity Code/Event Code **44/99**

Decimal Identifier **16788579**

Severity: Info

Message: CHAP enabled on circuit <*circuit_no.*>.

Meaning: CHAP is enabled on circuit <circuit_no.>.

Entity Code/Event Code **44/100**

Decimal Identifier **16788580**

Severity: Info

Message: CHAP disabled on circuit <*circuit_no.*>.

Meaning: CHAP is disabled on circuit <*circuit_no.*>.

Entity Code/Event Code **44/130**

Decimal Identifier **16788610**

Severity: Info

Message: Interface up on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The interface is up on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/131**

Decimal Identifier **16788611**

Severity: Info

Message: Interface down on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The interface is down on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/132**

Decimal Identifier **16788612**

Severity: Info

Message: <*protocol*> up on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The <*protocol*> is up on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/133**

Decimal Identifier **16788613**

Severity: Info

Message: <*protocol*> down on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The <*protocol*> is disabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/134**

Decimal Identifier **16788614**

Severity: Info

Message: Starting Network Control Protocols on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: NCP negotiations are starting on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/135**

Decimal Identifier **16788615**

Severity: Info

Message: Stopping Network Control Protocols on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: NCP negotiations have stopped on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/136**

Decimal Identifier **16788616**

Severity: Info

Message: Link Quality Reporting off on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Link quality reporting is disabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/137**

Decimal Identifier **16788617**

Severity: Info

Message: Link Quality Reporting on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Link quality reporting is enabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/138**

Decimal Identifier **16788618**

Severity: Info

Message: Duplicate <*protocol*> Ack being dropped on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Duplicate <*protocol*> packets are being dropped on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/139**

Decimal Identifier **16788619**

Severity: Info

Message: <*protocol*> Ack already received, dropping Nak on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received a Nak packet for <*protocol*> on line number <*line_no.*>, circuit <*circuit_no.*>.after it received an Ack packet for <*protocol*>. As a result, the router is dropping the Nak packet.

Entity Code/Event Code **44/140**

Decimal Identifier **16788620**

Severity: Info

Message: Echo packets disabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Echo packets are disabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/141**

Decimal Identifier **16788622**

Severity: Info

Message: Echo packets enabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Echo packets are enabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/142**

Decimal Identifier **16788622**

Severity: Info

Message: Link Establishment Phase complete on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The link establishment phase is complete on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/143**

Decimal Identifier **16788623**

Severity: Info

Message: Authentication Phase complete on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The authentication phase is complete on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/144**

Decimal Identifier **16788624**

Severity: Info

Message: PAP enabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: PAP is enabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/145**

Decimal Identifier **16788625**

Severity: Info

Message: PAP disabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: PAP is disabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/146**

Decimal Identifier **16788626**

Severity: Info

Message: Inbound/Outbound link quality back to desired level on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: Inbound/Outbound link quality is back to the desired level on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/198**

Decimal Identifier **16788678**

Severity: Info

Message: CHAP enabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: CHAP is enabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/199**

Decimal Identifier **16788679**

Severity: Info

Message: CHAP disabled on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: CHAP is disabled on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/200**

Decimal Identifier **16788680**

Severity: Info

Message: Link layer for line <*line_no.*> initializing for circuit <*circuit_no.*>.

Meaning: The link layer for on line number <*line_no.*> is initializing for circuit <*circuit_no.*>.

Entity Code/Event Code **44/203**

Decimal Identifier **16788683**

Severity: Info

Message: Attempting to locate '<*text_string*>' in WHOAMI table.

Meaning: The router is attempting to locate the PAP ID or CHAP Name in the WHOAMI table. Either CHAP or PAP may be misconfigured.

Action: Check your configuration of PAP and CHAP.

Trace Events

Entity Code/Event Code **44/44**

Decimal Identifier **16788524**

Severity: Trace

Message: Sending <*protocol*> Configure Request on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Configure Request packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/45**

Decimal Identifier **16788525**

Severity: Trace

Message: Sending <*protocol*> Configure-ACK on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Configure ACK packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/46**

Decimal Identifier **16788526**

Severity: Trace

Message: Sending <*protocol*> Configure-NAK on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Configure NAK packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/47**

Decimal Identifier **16788527**

Severity: Trace

Message: Sending <*protocol*> Configure-Reject on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Configure Reject packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/48**

Decimal Identifier **16788528**

Severity: Trace

Message: Sending <*protocol*> Terminate-Request on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Terminate Request packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/49**

Decimal Identifier **16788529**

Severity: Trace

Message: Sending <*protocol*> Terminate-ACK on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Terminate ACK packet to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/50**

Decimal Identifier **16788530**

Severity: Trace

Message: Sending <*protocol*> Code-Reject for code <*code*> on circuit <*circuit_no.*>.

Meaning: The router sent a <*protocol*> Code Reject packet containing code <*code*> to its peer on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/51**

Decimal Identifier **16788531**

Severity: Trace

Message: Sending Protocol-Reject for protocol <*protocol_code*> on circuit <*circuit_no.*>.

Meaning: The router sent a Protocol Reject message to <*protocol_code*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/52**

Decimal Identifier **16788532**

Severity: Trace

Message: Sending Open Event to <*protocol*> on circuit <*circuit_no.*>.

Meaning: The router sent an Open Event message to <*protocol*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/53**

Decimal Identifier **16788533**

Severity: Trace

Message: Sending Close Event to <*protocol*> on circuit <*circuit_no.*>.

Meaning: The router sent a Close Event message to <*protocol*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/54**

Decimal Identifier **16788534**

Severity: Trace

Message: Received <*protocol*> Discard-request on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Discard Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/55**

Decimal Identifier **16788535**

Severity: Trace

Message: Received <*protocol*> Configure-Request on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Configure Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/56**

Decimal Identifier **16788536**

Severity: Trace

Message: Received <*protocol*> Configure-ACK on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Configure ACK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/57**

Decimal Identifier **16788537**

Severity: Trace

Message: Received <*protocol*> Configure-NAK on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Configure NAK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/58**

Decimal Identifier **16788538**

Severity: Trace

Message: Received <*protocol*> Configure-Reject on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Configure Reject packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/59**

Decimal Identifier **16788539**

Severity: Trace

Message: Received <*protocol*> Terminate-Request on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Terminate Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/60**

Decimal Identifier **16788540**

Severity: Trace

Message: Received <*protocol*> Terminate-ACK on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Terminate ACK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/61**

Decimal Identifier **16788541**

Severity: Trace

Message: Received <*protocol*> Code-Reject for code <*code*> on PPP circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> Code Reject message for code <*code*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/62**

Decimal Identifier **16788542**

Severity: Trace

Message: Received Protocol-Reject for protocol <*protocol*> on PPP circuit <*circuit_no.*>.

Meaning: The router received a Protocol Reject message for protocol <*protocol*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/63**

Decimal Identifier **16788543**

Severity: Trace

Message: <*protocol*> Rejecting <*protocol*> option on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> packet on PPP circuit <*circuit_no.*> that contains <*protocol*> options that the router will not negotiate. As a result, the router responded with a Configure Reject packet.

Entity Code/Event Code **44/64**

Decimal Identifier **16788544**

Severity: Trace

Message: <*protocol*> Naking <*protocol*> option value <*option_value*> with value <*option_value*> on circuit on circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> packet on PPP circuit <*circuit_no.*> that contained a <*protocol*> option value that is not acceptable. As a result, the router responded with a Configure NAK packet that contained its suggested value for the option.

Entity Code/Event Code **44/65**

Decimal Identifier **16788545**

Severity: Trace

Message: Peer <*peer_ID*> Rejected <*protocol*> option on circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on PPP circuit <*circuit_no.*> that contains a <*protocol*> option that the peer router will not negotiate. As a result, the peer router sent this router a Configure Reject packet.

Entity Code/Event Code **44/66**

Decimal Identifier **16788546**

Severity: Trace

Message: Peer <*peer_ID*> Naked <*protocol*> option suggested <*option_value*> on circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on PPP circuit <*circuit_no.*> that contained a <*protocol*> option value that is not acceptable. As a result, the peer router sent this router a Configure NAK packet that contained the value it suggests for the option.

Entity Code/Event Code **44/67**

Decimal Identifier **16788547**

Severity: Trace

Message: Peer <*peer_ID*> Naked IPX-Node-Number option suggested <*option_value*> on circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on PPP circuit <*circuit_no.*> that contained a value for the IPX node number option that the peer found unacceptable. As a result, the peer router sent this router a Configure NAK packet that contained the value it suggests for IPX node number.

Entity Code/Event Code **44/68**

Decimal Identifier **16788548**

Severity: Trace

Message: Received Authenticate Request on circuit <*circuit_no.*>.

Meaning: The router received an Authenticate Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/69**

Decimal Identifier **16788549**

Severity: Trace

Message: Received Authenticate ACK on circuit <*circuit_no.*>.

Meaning: The router received an Authenticate ACK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/70**

Decimal Identifier **16788550**

Severity: Trace

Message: Received Authenticate NAK on circuit <*circuit_no.*>.

Meaning: The router received an Authenticate NAK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/71**

Decimal Identifier **16788551**

Severity: Trace

Message: Sending Authenticate-Request on circuit <*circuit_no.*>.

Meaning: The router transmitted an Authenticate Request packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/72**

Decimal Identifier **16788552**

Severity: Trace

Message: Sending Authenticate-ACK on circuit <*circuit_no.*>.

Meaning: The router transmitted an Authenticate ACK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/73**

Decimal Identifier **16788553**

Severity: Trace

Message: Sending Authenticate-NAK on circuit <*circuit_no.*>.

Meaning: The router transmitted an Authenticate NAK packet on PPP circuit <*circuit_no.*>.

Entity Code/Event Code **44/78**

Decimal Identifier **16788558**

Severity: Trace

Message: Peer master gate dropped <*no.*> packets.

Meaning: The router dropped <*no.*> packets before PPP initialized.

Entity Code/Event Code **44/83**

Decimal Identifier **16788563**

Severity: Trace

Message: Received CHAP Challenge message on circuit <*circuit_no.*>.

Meaning: The router received a CHAP Challenge message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/84**

Decimal Identifier **16788564**

Severity: Trace

Message: Sending CHAP Challenge message on circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP Challenge message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/85**

Decimal Identifier **16788565**

Severity: Trace

Message: Received CHAP Response message on circuit <*circuit_no.*>.

Meaning: The router has received a CHAP Response message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/86**

Decimal Identifier **16788566**

Severity: Trace

Message: Sending CHAP Response message on circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP response message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/87**

Decimal Identifier **16788567**

Severity: Trace

Message: Received CHAP Success message on circuit <*circuit_no.*>.

Meaning: The router has received a CHAP Success message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/88**

Decimal Identifier **16788568**

Severity: Trace

Message: Sending CHAP Success message on circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP Success message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/89**

Decimal Identifier **16788569**

Severity: Trace

Message: Received CHAP Failure message on circuit <*circuit_no.*>.

Meaning: The router has received a CHAP Failure message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/90**

Decimal Identifier **16788570**

Severity: Trace

Message: Sending CHAP Failure message on circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP Failure message on circuit <*circuit_no.*>.

Entity Code/Event Code **44/147**

Decimal Identifier **16788627**

Severity: Trace

Message: Sending <*protocol*> Configure-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Configure-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/148**

Decimal Identifier **16788628**

Severity: Trace

Message: Sending <*protocol*> Configure-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Configure-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/149**

Decimal Identifier **16788629**

Severity: Trace

Message: Sending <*protocol*> Configure-Nak on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Configure-Nak on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/150**

Decimal Identifier **16788630**

Severity: Trace

Message: Sending <*protocol*> Configure-Reject on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Configure-Reject on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/151**

Decimal Identifier **16788631**

Severity: Trace

Message: Sending <*protocol*> Terminate-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Terminate-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/152**

Decimal Identifier **16788632**

Severity: Trace

Message: Sending <*protocol*> Terminate-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Terminate-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/153**

Decimal Identifier **16788633**

Severity: Trace

Message: Sending <*protocol*> Code-Reject for code <*code_no.*> on circuit <*circuit_no.*>.

Meaning: The router is sending a <*protocol*> Code-Reject for code <*code_no.*> on circuit <*circuit_no.*>.

Entity Code/Event Code **44/154**

Decimal Identifier **16788634**

Severity: Trace

Message: Sending Protocol-Reject for protocol <*protocol*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a Protocol Reject for protocol <*protocol*> on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/155**

Decimal Identifier **16788635**

Severity: Trace

Message: Sending Open event to <*protocol*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending an Open event to <*protocol*> on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/156**

Decimal Identifier **16788636**

Severity: Trace

Message: Sending Close event to <*protocol*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a Close event to <*protocol*> on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/157**

Decimal Identifier **16788637**

Severity: Trace

Message: Received <*protocol*> Discard-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Discard-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/158**

Decimal Identifier **16788638**

Severity: Trace

Message: Received <*protocol*> Configure-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Configure-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/159**

Decimal Identifier **16788639**

Severity: Trace

Message: Received <*protocol*> Configure-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Configure-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/160**

Decimal Identifier **16788640**

Severity: Trace

Message: Received <*protocol*> Configure-Nak on line <*line_no.*>, circuit <*circuit_no.*>

Meaning: The router has received a <*protocol*> Configure-Nak on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/161**

Decimal Identifier **16788641**

Severity: Trace

Message: Received <*protocol*> Configure-Reject on line <*line_no.*>, circuit <*circuit_no.*>

Meaning: The router has received a <*protocol*> Configure-Reject on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/162**

Decimal Identifier **16788642**

Severity: Trace

Message: Received <*protocol*> Terminate-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Terminate-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/163**

Decimal Identifier **16788643**

Severity: Trace

Message: Received <*protocol*> Terminate-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Terminate-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/164**

Decimal Identifier **16788644**

Severity: Trace

Message: Received <*protocol*> Code-Reject for code <*code_no.*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a <*protocol*> Code-Reject for code <*code_no.*> on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/165**

Decimal Identifier **16788645**

Severity: Trace

Message: Received Protocol-Reject for protocol <*protocol*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a Protocol-Reject packet for <*protocol*> on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/166**

Decimal Identifier **16788646**

Severity: Trace

Message: <*protocol*> Rejecting <*option*> option on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> packet on line number <*line_no.*>, circuit <*circuit_no.*> that contains a <*protocol*> option that the router will not negotiate. As a result, the router sent a Configure Reject packet.

Entity Code/Event Code **44/167**

Decimal Identifier **16788647**

Severity: Trace

Message: <*protocol*> Naking <*option*> option value <value> with value <*suggested_value*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router received a <*protocol*> packet on line number <*line_no.*>, circuit <*circuit_no.*> that contained a <*protocol*> option value that is not acceptable. As a result, the router sent a Configure NACK packet that contained the value it suggests for the option.

Entity Code/Event Code **44/168**

Decimal Identifier **16788648**

Severity: Trace

Message: Peer <*peer_id*> Rejected <*protocol*> option on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on PPP on line number <*line_no.*>, circuit <*circuit_no.*> that contains a <*protocol*> option that the peer router will not negotiate. As a result, the peer router sent this router a Configure Reject packet.

Entity Code/Event Code **44/169**

Decimal Identifier **16788649**

Severity: Trace

Message: Peer <*peer_id*> Naked <*protocol*> option suggested <*suggested_value*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on line number <*line_no.*>, circuit <*circuit_no.*> that contained a <*protocol*> option value that is not acceptable. As a result, the peer router sent this router a Configure NAK packet that contained the value it suggests for the option.

Entity Code/Event Code **44/170**

Decimal Identifier **16788650**

Severity: Trace

Message: Peer <*peer_id*> Naked IPX-Node-Number option suggested <*suggested_value*> on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The peer router received a <*protocol*> packet on line number <*line_no.*>, circuit <*circuit_no.*> that contained a value for the IPX node number option that the peer found unacceptable. As a result, the peer router sent this router a Configure NAK packet that contained the value it suggests for IPX node number.

Entity Code/Event Code **44/171**

Decimal Identifier **16788651**

Severity: Trace

Message: Received Authenticate-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received an Authenticate-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/172**

Decimal Identifier **16788652**

Severity: Trace

Message: Received Authenticate-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received an Authenticate-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/173**

Decimal Identifier **16788653**

Severity: Trace

Message: Received Authenticate-Nak on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received an Authenticate-Nak on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/174**

Decimal Identifier **16788654**

Severity: Trace

Message: Sending Authenticate-Request on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending an Authenticate-Request on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/175**

Decimal Identifier **16788655**

Severity: Trace

Message: Sending Authenticate-Ack on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending an Authenticate-Ack on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/176**

Decimal Identifier **16788656**

Severity: Trace

Message: Sending Authenticate-Nak on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending an Authenticate-Nak on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/180**

Decimal Identifier **16788660**

Severity: Trace

Message: Received CHAP Challenge message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a CHAP Challenge message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/181**

Decimal Identifier **16788661**

Severity: Trace

Message: Sending CHAP Challenge message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP Challenge message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/182**

Decimal Identifier **16788662**

Severity: Trace

Message: Received CHAP Response message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a CHAP response message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/183**

Decimal Identifier **16788663**

Severity: Trace

Message: Sending CHAP Response message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP response message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/184**

Decimal Identifier **16788664**

Severity: Trace

Message: Received CHAP Success message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a CHAP success message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/185**

Decimal Identifier **16788665**

Severity: Trace

Message: Sending CHAP Success message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP success message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/186**

Decimal Identifier **16788666**

Severity: Trace

Message: Received CHAP Failure message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router has received a CHAP failure message on line number <*line_no.*>, circuit <*circuit_no.*>.

Entity Code/Event Code **44/187**

Decimal Identifier **16788667**

Severity: Trace

Message: Sending CHAP Failure message on line <*line_no.*>, circuit <*circuit_no.*>.

Meaning: The router is sending a CHAP failure message on line number <*line_no.*>, circuit <*circuit_no.*>.

PPRI Events

The protocol priority service, referred to as the PPRI entity, issues the following event messages. The entity code assigned to PPRI events is 90.

Fault Event

Entity Code/Event Code **90/1**

Decimal Identifier **16800257**

Severity: Fault

Message: System error, service attempting restart.

Meaning: PPRI service experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the configuration fails to restart.

Trace Events

Entity Code/Event Code **90/3**

Decimal Identifier **16800259**

Severity: Trace

Message: Protocol Priority Filter - Rule <*rule_no.*>, (Log Only)

Meaning: The router received a packet that met the criteria of this rule and it logged the information.

Entity Code/Event Code **90/4**

Decimal Identifier **16800260**

Severity: Trace

Message: Protocol Priority Filter - Rule <*rule_no.*>, Queue <*queue_no.*> (Queue Only)

Meaning: The router received a packet that met the criteria of this rule and sent it to the appropriate priority queue.

Entity Code/Event Code **90/5**

Decimal Identifier **16800261**

Severity: Trace

Message: Protocol Priority Filter - Rule <*rule_no.*>, (Drop)

Meaning: The router received a packet that met the criteria of this rule and dropped the packet.

Entity Code/Event Code **90/6**

Decimal Identifier **16800262**

Severity: Trace

Message: Protocol Priority Filter - Rule <*rule_no.*>, (Accept)

Meaning: The router received a packet that met the criteria of this rule and accepted the packet.

PTY Events

The Pseudo TTY driver, referred to as the PTY entity, issues the following event message. The entity code assigned to PTY events is 41.

Info Event

Entity Code/Event Code **41/4**

Decimal Identifier **16787716**

Severity: Info

Message: Input FIFO Overflow error — data lost. Total: <*total_no.*>

Meaning: The PTY/Telnet entity received more data than it had room to accept. <*total_no.*> indicates the number of times this error has occurred.

RARP Protocol Events

The Reverse Address Resolution Protocol, referred to as the RARP entity, issues the following event messages. The entity code assigned to RARP events is 45.

Fault Events

Entity Code/Event Code **45/1**

Decimal Identifier **16788737**

Severity: Fault

Message: System error, Reverse ARP service attempting restart.

Meaning: Reverse ARP experienced a fatal error and is restarting automatically.

Action: Veriify that the configuration is correct.

Entity Code/Event Code **45/4**
Decimal Identifier **16788737**
Severity: Fault
Message: Bad value for wfRarpDelete: Reverse ARP Master Gate deleted on slot <*slot_no.*>
Meaning: Reverse ARP has been deleted from the specified slot.
Action: Verify that the configuration is correct.

Information Events

Entity Code/Event Code **45/2**
Decimal Identifier **16788738**
Severity: Info
Message: Reverse ARP Master Gate is up on slot <*slot_no.*>
Meaning: Reverse ARP is providing service on the specified slot.

Entity Code/Event Code **45/3**
Decimal Identifier **16788739**
Severity: Info
Message: Reverse ARP Master Gate is deleted on slot <*slot_no.*>
Meaning: Reverse ARP has been deleted from the specified slot.

Entity Code/Event Code **45/6**
Decimal Identifier **16788742**
Severity: Info
Message: Reverse ARP Service is up on circuit <*circuit_no.*>
Meaning: Reverse ARP is providing service on the specified slot.

Entity Code/Event Code **45/7**
Decimal Identifier **16788743**
Severity: Info
Message: Reverse ARP Service is down on circuit <*circuit_no.*>
Meaning: Reverse ARP is no longer providing service on the specified circuit.

RREDUND Events

Router Redundancy services, referred to as the RREDUND entity, issues the following event messages. The entity code assigned to RREDUND events is 98.

Fault Event

Entity Code/Event Code **98/1**

Decimal Identifier **16802305**

Severity: Fault

Message: System error, REDUND gate attempting restart.

Meaning: Redundancy on this slot experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct.

Entity Code/Event Code **98/2**

Decimal Identifier **16802306**

Severity: Fault

Message: System error, REDUNDC gate attempting restart.

Meaning: The slot that controls redundancy on the router experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct.

Entity Code/Event Code **98/3**

Decimal Identifier **16802307**

Severity: Fault

Message: System error, SONMP gate for circuit <*circuit no.*> attempting restart.

Meaning: Synoptics Network Management Protocol (SONMP) for circuit <*circuit no.*> experienced a fatal error and is restarting automatically. SONMP implements the redundancy protocol.

Action: Verify that the configuration is correct.

Entity Code/Event Code **98/4**

Decimal Identifier **16802308**

Severity: Fault

Message: RREDUND MIB configuration error.

Meaning: Router redundancy is improperly configured.

Action: Check your configuration files.

Entity Code/Event Code **98/5**

Decimal Identifier **16802309**

Severity: Fault

Message: No buffer available.

Meaning: The router has no buffer space available.

Warning Events

Entity Code/Event Code **98/6**

Decimal Identifier **16802310**

Severity: Warning

Message: Protocol Version Mismatch -gid: <*group_ID*>, mid: <*member_ID*>, cfg_ver: <*configuration_version*>, pdu_ver: <*pdu_version*>

Meaning: The version of redundancy does not match for the group ID, member ID, configuration version, and PDU version. There is probably a configuration error.

Action: Check your configuration files.

Entity Code/Event Code **98/7**

Decimal Identifier **16802311**

Severity: Warning

Message: DP failed creating RREDUND gate.

Meaning: Redundancy is not enabled on the router.

Action: Check your configuration files. Reboot.

Entity Code/Event Code **98/8**

Decimal Identifier **16802312**

Severity: Warning

Message: REDUND failed creating RREDUND_CTRL gate.

Meaning: Redundancy is not enabled on the router.

Action: Check your configuration files. Reboot.

Entity Code/Event Code **98/9**

Decimal Identifier **16802313**

Severity: Warning

Message: REDUND failed creating SONMP gate.

Meaning: SONMP is not enabled on the router.

Action: Check you configuration files. Reboot.

Entity Code/Event Code **98/10**

Decimal Identifier **16802314**

Severity: Warning

Message: REDUND received unknown message of mtype: <*msg_type*> from msrc: <*source_ID*>

Meaning: The redundancy received an unknown message of type <*msg_type*> from <*source_ID*>.

Action: Check you configuration file.

Entity Code/Event Code **98/11**

Decimal Identifier **16802315**

Severity: Warning

Message: Misconfigured to use netboot.

Meaning: The router, an AN or ASN, is misconfigured to use netboot. You cannot use netboot on an AN or ASN with router redundancy. You must boot redundancy in local mode.

Action: Boot redundancy in local mode.

Entity Code/Event Code **98/12**

Decimal Identifier **16802316**

Severity: Warning

Message: Primary config file path is a subdir.

Meaning: The primary configuration file path is at the subdirectory level. Router redundancy configuration files must be in a top level directory.

Action: Relocate the primary configuration file.

Entity Code/Event Code **98/13**

Decimal Identifier **16802317**

Severity: Warning

Message: Invalid Primary config file.

Meaning: The primary configuration filename is invalid; it does not conform to the naming conventions for the router.

Action: Rename the primary configuration file in conformance with the naming conventions for the router.

Entity Code/Event Code **98/14**

Decimal Identifier **16802318**

Severity: Warning

Message: Detected multiple Primary members.

Meaning: There are multiple primary members in this redundancy group.

Action: This is probably a momentary situation, requiring no action. If you see a large number of these messages, you should reset the Timeout Threshold parameter to a larger value.

Entity Code/Event Code **I98/15**

Decimal Identifier **16802319**

Severity: Warning

Message: Rcvd Role Switch Cmd while in Secondary Role, Not Allowed.

Meaning: The router received a role switch command while in secondary role. This is illegal.

Action: You are probably using manual role switching improperly.

Entity Code/Event Code **98/17**

Decimal Identifier **16802321**

Severity: Warning

Message: Could not set boot config file name.

Meaning: The router cannot perform a role switch because it could not set the boot config file name.

Action: Check your configuration files.

Entity Code/Event Code **98/18**

Decimal Identifier **16802322**

Severity: Warning

Message: MISCONF_MEMBERID: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> has a misconfigured member ID.

Action: Reconfigure the member ID.

Entity Code/Event Code **98/19**

Decimal Identifier **16802323**

Severity: Warning

Message: MISCONF_ROLE: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> is misconfigured for role switching.

Action: Reconfigure the Automatic Role Switching parameter.

Entity Code/Event Code **98/20**

Decimal Identifier **16802324**

Severity: Warning

Message: MISCONF_HELLOTIMER: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> has a misconfigured Hello timer.

Action: Reconfigure the Hello Timer parameter.

Entity Code/Event Code **98/21**

Decimal Identifier **16802325**

Severity: Warning

Message: MISCONF_TIMEOUTCOUNT: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> has a misconfigured timeout threshold.

Action: Reconfigure the Timeout Threshold parameter.

Entity Code/Event Code **98/22**

Decimal Identifier **16802326**

Severity: Warning

Message: MISCONF_BIDDURATON: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> has a misconfigured bid duration.

Action: Reconfigure the Bid Duration parameter.

Entity Code/Event Code **98/23**

Decimal Identifier **16802327**

Severity: Warning

Message: MISCONF_ROLESWITCHDEL: cfg = <*config_no.*>, pdu = <*pdu_no.*> [g: <*group_no.*>, m: <*member_no.*>]

Meaning: The circuit on <*config_no.*>, <*pdu_no.*>, <*group_no.*>, <*member_no.*> has a misconfigured role switch delay period.

Action: Reconfigure the Role Switch Delay Period parameter.

Entity Code/Event Code **98/24**

Decimal Identifier **16802328**

Severity: Warning

Message: IP Ping: resource error for pinging [<*IP_address*>].

Meaning: The router is experiencing an error when it pings its resource at <*IP_address*>.

Entity Code/Event Code **98/25**
Decimal Identifier **16802329**
Severity: Warning
Message: IP Ping: invalid parameter specified for pinging [<*IP_address*>].
Meaning: An invalid parameter is specified for pinging <*IP_address*>.
Action: Reconfigure this IP parameter.

Entity Code/Event Code **98/26**
Decimal Identifier **16802330**
Severity: Warning
Message: IP Ping: IP Service is not running.
Meaning: IP service is not running on this router.

Information Events

Entity Code/Event Code **98/27**
Decimal Identifier **16802331**
Severity: Info
Message: REDUND initializing.
Meaning: Redundancy is initializing on the slot.

Entity Code/Event Code **98/28**
Decimal Identifier **16802332**
Severity: Info
Message: REDUNDC initializing.
Meaning: Redundancy is initializing on the slot that controls the redundancy protocol for the router.

Entity Code/Event Code **98/29**
Decimal Identifier **16802333**
Severity: Info
Message: SONMP for circuit <*circuit_no.*> initializing.
Meaning: Synoptics Network Management Protocol for the specified circuit is initializing.

Entity Code/Event Code **98/30**

Decimal Identifier **16802334**

Severity: Info

Message: Slot <*slot_no.*> won RREDUND_CTRL gate soloist election.

Meaning: Slot <*slot_no.*> won the bidding to become soloist. The slot in the soloist role controls the redundancy protocol for the router.

Entity Code/Event Code **98/31**

Decimal Identifier **16802335**

Severity: Info

Message: Slot <*slot_no.*> lost RREDUND_CTRL gate soloist election.

Meaning: Slot <*slot_no.*> lost the bidding to become soloist. The slot in the soloist role controls the redundancy protocol for the router.

Entity Code/Event Code **98/32**

Decimal Identifier **16802336**

Severity: Info

Message: REDUND Received CCT message for circuit <*circuit_no.*>/state <1 | 2>.

Meaning: Redundancy received a circuit message for circuit <*circuit no.*> indicating its state. A state number of 1 indicates that the circuit is up. Number 2 indicates that the circuit is down.

Entity Code/Event Code **98/33**

Decimal Identifier **16802337**

Severity: Info

Message: Starting ping [<*IP_address*>] gate.

Meaning: The router is starting to ping the gate at <*IP_address*>.

Entity Code/Event Code **98/34**

Decimal Identifier **16802338**

Severity: Info

Message: Killing ping [<*IP_address*>] gate.

Meaning: The router has ceased pinging the gate at <*IP_address*>.

Entity Code/Event Code **98/35**

Decimal Identifier **16802339**

Severity: Info

Message: One of multiple Primaries, Role Switching to Secondary.

Meaning: The router is one of multiple primary routers in its redundancy group. It is changing roles from primary to secondary.

Entity Code/Event Code **98/36**

Decimal Identifier **16802340**

Severity: Info

Message: Role Switching to Primary.

Meaning: The router is changing roles from secondary to primary

Entity Code/Event Code **98/37**

Decimal Identifier **16802341**

Severity: Info

Message: Role Switching to Secondary.

Meaning: The router is switching roles from primary to secondary.

Entity Code/Event Code **98/38**

Decimal Identifier **16802342**

Severity: Info

Message: Rcvd Role Switch Cmd while in Primary Role.

Meaning: The router has received a role switch command while it is in the primary role.

Entity Code/Event Code **98/39**

Decimal Identifier **16802343**

Severity: Info

Message: Unknown message received by REDUND_CTRL gate.

Meaning: The redundancy control gate received an unrecognized message.

Entity Code/Event Code **98/40**

Decimal Identifier **16802344**

Severity: Info

Message: Booting to Primary using config file: <*config_file_name*>.

Meaning: The router it rebooting to assume the primary role, using primary configuration file called <*config_file_name*>.

Entity Code/Event Code **98/41**

Decimal Identifier **16802345**

Severity: Info

Message: Better Primary Member ID = <*ID_value*>

Meaning: The better primary member's ID is <*ID_value*>.

Entity Code/Event Code **98/42**

Decimal Identifier **16802346**

Severity: Info

Message: AUTO ROLE SWITCHING.

Meaning: The router is changing roles automatically.

Entity Code/Event Code **98/43**

Decimal Identifier **16802347**

Severity: Info

Message: *** NEED TO MANUAL ROLE SWITCH OUT OF PRIMARY. ***

Meaning: The router should change out of the primary role. Because Auto Role Switching is disabled, you should perform a manual role change.

Entity Code/Event Code **98/44**

Decimal Identifier **16802348**

Severity: Info

Message: Best Secondary can not be the New Primary.

Meaning: The best secondary router is unable to become the new primary router.

Entity Code/Event Code **98/45**

Decimal Identifier **16802349**

Severity: Info

Message: Going into DELAY_BIDDING state.

Meaning: A role change is occurring. The secondary routers are entering a state to delay bidding to become primary router so that the new primary router has time to reboot. This avoids having another role change occur before the current role change has taken effect.

Entity Code/Event Code **98/46**

Decimal Identifier **16802350**

Severity: Info

Message: Transitioning from INIT to DELAY_BIDDING state.

Meaning: The secondary routers are moving from initializing to a delay bidding state.

Entity Code/Event Code **98/47**

Decimal Identifier **16802351**

Severity: Info

Message: Resource <*IP_address*> became REACHABLE.

Meaning: The resource at <*IP_address*> is reachable.

Entity Code/Event Code **98/48**

Decimal Identifier **16802352**

Severity: Info

Message: Resource <*IP_address*> became UNREACHABLE

Meaning: The resource at <*IP_address*> is unreachable.

Trace Events

Entity Code/Event Code **98/49**

Decimal Identifier **16802353**

Severity: Trace

Message: REDUNDC, IF_CHG_MSG: CCT = <*circuit_no.*>, STATE = <1 | 2>

Meaning: Circuit <*circuit_no.*> is in the specified state. If the state number is 1, the specified circuit is up; if the state number is 2, the specified circuit is down.

Entity Code/Event Code **98/50**

Decimal Identifier **16802354**

Severity: Trace

Message: Received SOS pdu.

Meaning: The router has received an SOS PDU from the primary router. The SOS PDU indicates that the primary router intends to change out of the primary role.

Entity Code/Event Code **98/51**

Decimal Identifier **16802355**

Severity: Trace

Message: Received multiple SOS PDUs.

Meaning: The router has received multiple SOS PDUs from the primary router. The SOS PDUs indicate that the primary router intends to change out of the primary role.

Entity Code/Event Code **98/52**

Decimal Identifier **16802356**

Severity: Trace

Message: Sent SOS pdu, entering WAIT_SOS_RPLY state.

Meaning: The router has sent an SOS PDU. The SOS PDU indicates that the primary router intends to change out of the primary role. The router is now waiting for an SOS Reply PDU The SOS Reply PDU indicates that the secondary router will assume the primary role.

Entity Code/Event Code **98/53**

Decimal Identifier **16802357**

Severity: Trace

Message: Received SOS_RPLY pdu.

Meaning: The router has received an SOS Reply PDU from the best secondary router. The SOS Reply PDU indicates that the best secondary router will assume the primary role.

Entity Code/Event Code **98/54**

Decimal Identifier **16802358**

Severity: Trace

Message: Received multiple SOS_RPLY PDUs.

Meaning: The router has received multiple SOS Reply PDUs. The SOS Reply PDUs indicate that the best secondary router will assume the primary role.

Entity Code/Event Code **98/55**

Decimal Identifier **16802359**

Severity: Trace

Message: Sent SOS RPLY pdu, entering WAIT_PRI_GDBY state.

Meaning: The router has sent an SOS Reply PDU.The SOS Reply PDU indicates that this router will assume the primary role. It is now waiting for a Primary Good-bye PDU from the current primary router. The Primary Good-bye PDU indicates that the current primary router is changing out of the primary role.

Entity Code/Event Code **98/56**

Decimal Identifier **16802360**

Severity: Trace

Message: Received PRI_GDBY pdu.

Meaning: The router has received a Primary Good-bye PDU. The Primary Good-bye PDU indicates that the current primary router is changing out of the primary role.

Entity Code/Event Code **98/57**

Decimal Identifier **16802361**

Severity: Trace

Message: Received multiple PRI_GDBY PDUs.

Meaning: The router has received multiple Primary Good-bye PDUs. The Primary Good-bye PDUs indicate that the current primary router is changing out of the primary role.

Entity Code/Event Code **98/58**

Decimal Identifier **16802362**

Severity: Trace

Message: Sent PRI_GDBY pdu, entering WAIT_NEW_PRI state.

Meaning: The router has sent a Primary Good-bye PDU. The Primary Good-bye PDU indicates that the current primary router is changing out of the primary role.

Entity Code/Event Code **98/59**

Decimal Identifier **16802363**

Severity: Trace

Message: Received NEW_PRI pdu.

Meaning: This secondary router has received a New Primary PDU. The New Primary PDU indicates that a role change has occurred, and a new router has assumed the primary role.

Entity Code/Event Code **98/60**

Decimal Identifier **16802364**

Severity: Trace

Message: Sent NEW PRI pdu.

Meaning: The router has sent a New Primary PDU. The New Primary PDU indicates that a role change has occurred, and a new router has assumed the primary role.

Entity Code/Event Code **98/61**

Decimal Identifier **16802365**

Severity: Trace

Message: REF_NUM_CHGD - gid: <*group_ID*>, mid: <*member_ID*>, cct: <*circuit_no.*> ref_num: <*reference_no.*>, pri: <*value*>, bsec: <*value*>, gif: <*value*>, gres: <*value*>

Meaning: The router redundancy database has a new reference number.

Entity Code/Event Code **98/62**

Decimal Identifier **16802366**

Severity: Trace

Message: SOS_TYPE_PDU - gid: <*group_ID*>, mid: <*member_ID*>, cct: <*circuit_no.*> ref_num: <*reference_no.*>, pri: <*value*>, bsec: <*value*>, gif: <*value*>, gres: <*value*>

Meaning: The router redundancy data base has been updated by a new SOS PDU.

Entity Code/Event Code **98/63**

Decimal Identifier **16802367**

Severity: Trace

Message: NEW MEMBER - gid: <*group_ID*>, mid: <*member_ID*>, cct: <*circuit_no.*> ref_num: <*reference_no.*>, pri: <*value*>, bsec: <*value*>, gif: <*value*>, gres: <*value*>

Meaning: The specified new member has joined this router redundancy group.

Entity Code/Event Code **98/64**

Decimal Identifier **16802368**

Severity: Trace

Message: MEMBER TIMEOUT - gid: <*group_ID*>, mid: <*member_ID*>, cct: <*circuit_no.*>

Meaning: he specified redundant group member has timed out.

RUIBOOT Events

The Remote User Interface Boot service, referred to as the RUIBOOT entity, issues the following event messages. The entity code assigned to RUIBOOT events is 102.

Fault Events

Entity Code/Event Code **102/1**

Decimal Identifier **16803329**

Severity: Fault

Message: System error, service attempting to restart.

Meaning: The RUIBOOT service experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if RUIBOOT fails to restart.

Warning Events

Entity Code/Event Code **102/2**

Decimal Identifier **16803330**

Severity: Warning

Message: Current time is past specified boot time specified: *<entry_act>*

Meaning: You tried to schedule a RUIBOOT event for a time that had past.

Action: Reschedule the RUIBOOT event for a time in the future.

Info Events

Entity Code/Event Code **102/8**

Decimal Identifier **16803336**

Severity: Info

Message: Service initializing.

Meaning: You are initializing the RUIBOOT service on the current version of the software.

Entity Code/Event Code **102/9**

Decimal Identifier **16803337**

Severity: Info

Message: Service has been deleted.

Meaning: You deleted the RUIBOOT service from the current version of the software.

Entity Code/Event Code **102/10**

Decimal Identifier **16803344**

Severity: Info

Message: Service has been disabled.

Meaning: You disabled the RUIBOOT service on the current version of the software.

Entity Code/Event Code **102/11**

Decimal Identifier **16803345**

Severity: Info

Message: Service has been enabled.

Meaning: You enabled the RUIBOOT service on the current version of the software.

Entity Code/Event Code **102/14**

Decimal Identifier **16803348**

Severity: Info

Message: Entry <*instance_id*> scheduled.

Meaning: You scheduled a RUIBOOT event.

Entity Code/Event Code **102/15**

Decimal Identifier **16803349**

Severity: Info

Message: Booting <*instance_id*>. Image: <*filename*>, Config: <*filename*>

Meaning: The RUIBOOT service is booting the desired router using the image file and configuration file that you specified.

Entity Code/Event Code **102/16**

Decimal Identifier **16803350**

Severity: Info

Message: Verified <*instance_id*>. Image: <*filename*>, Config: <*filename*>

Meaning: The RUIBOOT service confirms that a boot has taken place on the desired router using the image file and configuration file that you specified.

Chapter 8
Event Messages (SDLC through SWSERV)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from SDLC through SWSERV. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

SDLC Events

The Synchronous Data Link Control service, referred to as the SDLC entity, issues the following event messages. The entity code assigned to the SDLC events is 74.

Fault Event

Entity Code/Event Code	**74/1**
Decimal Identifier	**16796161**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	SDLC experienced a fatal error and is restarting automatically. SDLC will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call your local Bay Networks Technical Response Center if SDLC fails to restart.

Warning Events

Entity Code/Event Code **74/7**

Decimal Identifier **16796167**

Severity: Warning

Message: SDLC malloc failed: not enough memory to allocate space.

Meaning: SDLC is unable to obtain buffers at a critical point (for example, while trying to create a port); as a result, SDLC terminates.

Action: Try to reconfigure the number of buffers that SDLC or other protocols use on the slot, or get more memory.

Info Events

Entity Code/Event Code **74/2**

Decimal Identifier **16796162**

Severity: Info

Message: SDLC Service initializing.

Meaning: SDLC is initializing.

Entity Code/Event Code **74/3**

Decimal Identifier **16796163**

Severity: Info

Message: SDLC Service terminating.

Meaning: SDLC is terminating.

Entity Code/Event Code **74/4**

Decimal Identifier **16796164**

Severity: Info

Message: SDLC Service up on circuit <*circuit_no.*>.

Meaning: An SDLC interface has come up on a circuit.

Entity Code/Event Code **74/5**

Decimal Identifier **16796165**

Severity: Info

Message: SDLC Service down on circuit <*circuit_no.*>.

Meaning: An SDLC interface has gone down on a circuit.

SMDS Events

The Switched Multimegabit Data Service, referred to as the SMDS entity, issues the following event messages. The entity code assigned to SMDS events is 24.

Fault Event

Entity Code/Event Code **24/1**

Decimal Identifier **16783361**

Severity: Fault

Message: System error, service attempting restart.

Meaning: SMDS experienced a fatal error and is restarting automatically. SMDS will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if SMDS fails to restart.

Warning Events

Entity Code/Event Code **24/2**

Decimal Identifier **16783362**

Severity: Warning

Message: Circuit record does not exist for circuit <*circuit_no.*>.

Meaning: SMDS has not been configured on the specified circuit.

Action: Configure SMDS on the circuit.

Entity Code/Event Code **24/3**

Decimal Identifier **16783363**

Severity: Warning

Message: Circuit record is disabled on circuit <*circuit_no.*>.

Meaning: SMDS has been disabled on the specified circuit.

Action: Reset the Enable parameter to restore SMDS service.

Entity Code/Event Code **24/4**

Decimal Identifier **16783364**

Severity: Warning

Message: Circuit <*circuit_no.*> SMDS address is of incorrect length.

Meaning: An SMDS address entered on the specified circuit using the Technician Interface is of improper length.

Action: Correct the address.

Note: *This message should not appear if you have configured SMDS using Site Manager, because Site Manager checks SMDS addresses for format and length.*

Entity Code/Event Code **24/5**

Decimal Identifier **16783365**

Severity: Warning

Message: Circuit <*circuit_no.*> SMDS address is of incorrect type.

Meaning: An SMDS address entered on the specified circuit using the Technician Interface is of the incorrect type. That is, an individual address has been entered as a group address, or a group address has been entered as an individual address.

Action: Correct the address.

Note: *This message should not appear if you have configured SMDS using Site Manager, because Site Manager provides formatting for group and individual addresses.*

Entity Code/Event Code **24/6**

Decimal Identifier **16783366**

Severity: Warning

Message: Circuit <*circuit_no.*> SMDS NANP address is incorrect.

Meaning: An improper NANP address has been entered on the specified circuit.

Action: Correct the address.

Entity Code/Event Code **24/7**

Decimal Identifier **16783367**

Severity: Warning

Message: Circuit <*circuit_no.*> rejecting bridge media type of <*media_type*>.

Meaning: The router received a bridged packet on the specified circuit over an unsupported media (not Ethernet or FDDI).

Action: Reconfiguration may be required. SMDS can bridge only those frames that originate on Ethernet or FDDI media.

Entity Code/Event Code **24/8**

Decimal Identifier **16783368**

Severity: Warning

Message: Circuit <*circuit_no.*> rejecting too small packet of size <*x*> bytes.

Meaning: SMDS has received a runt L3PDU.

Action: Generally no action is required unless the message occurs with some degree of frequency.

Entity Code/Event Code **24/9**

Decimal Identifier **16783369**

Severity: Warning

Message: Circuit <*circuit_no.*> rejecting packet — larger than MTU size.

Meaning: the specified circuit received a packet larger than the MTU supported by the interface.

Action: Adjust the MTU parameter.

Entity Code/Event Code **24/10**

Decimal Identifier **16783370**

Severity: Warning

Message: No response to heartbeat poll on circuit <*circuit_no.*>.

Meaning: The router or BNX issued an unacceptable number of unacknowledged heartbeat poll messages on the specified circuit, and has taken the router/CSU or BNX/CSU connection down.

Action: Verify that the CSU/DSU supports heartbeat polling; verify the integrity of the router/CSU or BNX/CSU connection.

Entity Code/Event Code **24/11**

Decimal Identifier **16783371**

Severity: Warning

Message: Heartbeat Poll interval not > 5 seconds on circuit <*circuit_no.*>.

Meaning: A Heartbeat Poll Interval entered using the Technician Interface is unacceptably short on the specified circuit.

Action: Configure the interval to be greater than 5 seconds.

Note: *This message should not appear if you have configured SMDS using Site Manager, because Site Manager provides boundary checking for this interval.*

Entity Code/Event Code **24/12**

Decimal Identifier **16783372**

Severity: Warning

Message: Can’t decode DXI Addr/Ctrl 0x<*field_contents*> received on circuit <*circuit_no.*>.

Meaning: The router received from the CSU on the specified circuit a DXI frame which contained an unparsable Address or Control field. The contents of the fields are displayed in hexadecimal format.

Action: Monitor the CSU for integrity.

Entity Code/Event Code **24/13**

Decimal Identifier **16783373**

Severity: Warning

Message: LMI response from DSU timed out on circuit <*circuit_no.*>.

Meaning: The router has not received a response to an LMI PDU issued on the the specified circuit within the timeout period.

Action: Verify the integrity of the DSU.

Entity Code/Event Code **24/14**

Decimal Identifier **16783374**

Severity: Warning

Message: DSU alarm condition <*condition_code*> present on circuit <*circuit_no.*>.

Meaning: The router received an alarm indication from the DSU on the the specified circuit. Alarm conditions are as follows:

2	Far and alarm
4	Alarm indication signal
8	Loss of frame
16	Loss of signal
32	Loopback state

Action: No action may be required, as the state may be transient. If condition persists, check DSU for integrity.

Entity Code/Event Code **24/15**

Decimal Identifier **16783375**

Severity: Warning (BNX only)

Message: Interface up on circuit <*circuit_no.*>.

Meaning: SMDS service is present on the specified circuit.

Entity Code/Event Code **24/16**

Decimal Identifier **16783376**

Severity: Warning (BNX only)

Message: Interface down on circuit <*circuit_no.*>.

Meaning: SMDS service has been disabled on the specified circuit.

Info Events

Entity Code/Event Code **24/15**

Decimal Identifier **16783375**

Severity: Info (Routers only)

Message: Interface up on circuit <*circuit_no.*>.

Meaning: SMDS service is present on the specified circuit.

Entity Code/Event Code **24/16**

Decimal Identifier **16783376**

Severity: Info (Routers only)

Message: Interface down on circuit <*circuit_no.*>.

Meaning: SMDS service has been disabled on the specified circuit.

Entity Code/Event Code **24/17**

Decimal Identifier **16783377**

Severity: Info

Message: Querying DSU for trunk status on circuit <*circuit_no.*>.

Meaning: The router queried the CSU/DSU for trunk status information on the specified circuit.

Entity Code/Event Code **24/18**

Decimal Identifier **16783378**

Severity: Info

Message: No alarm condition present on circuit <*circuit_no.*>.

Meaning: An LMI GetResponse issued by the CSU/DSU indicates a No Alarm condition for the specified circuit.

Entity Code/Event Code **24/19**

Decimal Identifier **16783379**

Severity: Info

Message: Cold Start trap received from DSU on circuit <*circuit_no.*>.

Meaning: The router received a Cold-Start Trap from the CSU/DSU device on the specified circuit. A cold start signifies that the CSU/DSU has restarted and may have altered its configuration.

Entity Code/Event Code **24/20**

Decimal Identifier **16783380**

Severity: Info

Message: Warm Start trap received from DSU on circuit<*circuit_no.*>.

Meaning: The router received a warmStart Trap from the CSU/DSU device on circuit <*circuit_no.*>. A warm start signifies that the CSU/DSU has restarted and has not altered its configuration.

Entity Code/Event Code **24/21**

Decimal Identifier **16783381**

Severity: Info

Message: Link Down trap received from DSU on circuit <*circuit_no.*>.

Meaning: The router received a linkDownTrap from the CSU/DSU device on the specified circuit. A link down signifies that the CSU/DSU SNI (Subscriber Network Interface) has been removed from service.

Entity Code/Event Code **24/22**

Decimal Identifier **16783382**

Severity: Info

Message: Link Up trap received from DSU on circuit <*circuit_no.*>.

Meaning: The router received a linkUp Trap from the CSU/DSU device on the specified circuit. A link up signifies that the CSU/DSU SNI has been put into or restored to service.

Entity Code/Event Code **24/23**

Decimal Identifier **16783383**

Severity: Info

Message: Enterprise Specific trap received from DSU on circuit <*circuit_no.*>.

Meaning: SMDS received an enterprise specific trap from the CSU/DSU device on the specified circuit.

Trace Events

Entity Code/Event Code **24/24**

Decimal Identifier **16783384**

Severity: Trace

Message: Proxy agent couldn't get a buffer on circuit <*circuit_no.*>.

Meaning: The DXI proxy agent could not obtain a buffer on the specified circuit.

Action: Condition is probably transient, and most likely no action is necessary.

Entity Code/Event Code **24/25**

Decimal Identifier **16783385**

Severity: Trace

Message: Proxy agent received bad response of type <*value*> on circuit <*circuit_no.*>.

Meaning: The DXI proxy agent received an unexpected response (something other than a get_response>) to a get_request transmitted on the specified circuit.

The type of received response is encoded in <*value*> as follows:

0	get_request PDU
1	get_next_request PDu
3	get_request
4	trap

Action: Verify DSU integrity.

Entity Code/Event Code **24/26**

Decimal Identifier **16783386**

Severity: Trace

Message: Proxy agent received error <*value*> in response to status query on circuit <*circuit_no.*>.

Meaning: The DXI proxy agent received an unexpected response (something other than a get_response>) to a status request transmitted on the specified circuit.

The type of received response is encoded in <*value*> as follows:

0	get_request PDU
1	get_next_request PDu
3	get_request
4	trap

Action: Verify DSU integrity.

Entity Code/Event Code **24/27**

Decimal Identifier **16783387**

Severity: Trace

Message: Proxy agent couldn't generate a trap on <*circuit_no.*>.

Meaning: The DXI proxy agent could not generate a trap, possibly because of insufficient local resources.

Action: None may be required as the condition is likely transient; if condition persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **24/28**

Decimal Identifier **16783388**

Severity: Trace

Message: OUI <*OUI_value*> not registered in dp_undo_smds_snap_isap.

Meaning: SMDS received a packet from an unknown OUI.

Action: Verify configuration SMDS configuration record.

SMDS_SW Events

The event messages that follow are issued by the SMDS_SW (SMDS Switch) entity. They are organized by severity and event code. The entity code assigned to SMDS_SW events is 68.

Fault Event

Entity Code/Event Code **68/1**

Decimal Identifier **16794625**

Severity: Fault

Message: system error, service attempting restart.

Meaning: SMDS_SW experienced a fatal error and is restarting automatically. SMDS_SW will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if SMDS_SW fails to restart.

Warning Events

Entity Code/Event Code **68/2**

Decimal Identifier **16794626**

Severity: Warning

Message: cct <*circuit_no.*>: record does not exist.

Meaning: The specified circuit has been created and enabled as supporting SMDS_SW. An SMDS_SW record, however, has not been associated with the circuit.

Action: Create the SMDS_SW record.

Entity Code/Event Code **68/3**

Decimal Identifier **16794627**

Severity: Warning

Message: cct <*circuit_no.*> : no interface record for type: <1 | 2>, index: <index_value>.

Meaning: The specified circuit lacks an interface record. Type indicates the interface type (1 for DXI/SNI, or 2 for SSI) while index is the user assigned interface identifier.

Action: Configure an interface record.

Entity Code/Event Code **68/4**

Decimal Identifier **16794628**

Severity: Warning

Message: cct <*circuit_no.*>: NM encaps gate received unexpected signal.

Meaning: The specified circuit could not be initialized.

Action: Delete, and then re-add the specified circuit.

Entity Code/Event Code **68/5**

Decimal Identifier **16794629**

Severity: Warning

Message: cct <*circuit_no.*>: Buffers exhausted while initializing.

Meaning: The specified circuit could not be created because of a lack of internal resources.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **68/6**

Decimal Identifier **16794630**

Severity: Warning

Message: cct <*circuit_no.*>: Encaps gate can’t get buffer in billing map.

Meaning: The specified circuit has failed to initialize properly. Additional fault recovery will take place.

Entity Code/Event Code **68/7**

Decimal Identifier **16794631**

Severity: Warning

Message: cct <*circuit_no.*>: No registration reply from IP; terminating encaps.

Meaning: The specified circuit has failed to initialize properly.

Action: None should be required as additional fault recovery will take place. If the circuit fails to initialize, confirm that IP is configured for the circuit.

Entity Code/Event Code **68/8**

Decimal Identifier **16794632**

Severity: Warning

Message: cct <*circuit_no.*>: Encaps can't get buf for new usage inst Sni <*SNI_index*> Dest <*E.164_destination*> Src <*E.164_source*>.

Meaning: The encapsulation gate failed to failed to obtain a buffer while attempting to transmit data about the specified new usage instance to the billing gate.

Entity Code/Event Code **68/9**

Decimal Identifier **16794633**

Severity: Warning

Message: cct <*circuit_no.*>: IP refused encaps registration; terminating encaps.

Meaning: The specified circuit failed to initialize properly during fault recovery or initialization.

Action: None should be required as additional fault recovery will take place. If the condition persists, check the IP configuration record for details.

Entity Code/Event Code **68/10**

Decimal Identifier **16794634**

Severity: Warning

Message: cct <*circuit_no.*>: Encaps no reply from billing gate.

Meaning: The specified circuit has failed to initialize properly. Additional fault recovery will take place.

Entity Code/Event Code **68/11**

Decimal Identifier **16794635**

Severity: Warning

Message: cct <*circuit_no.*>: Encaps no reply from billing gate on new usage Sni <*SNI_index*> Dest <*E.164_destination*> Src <*E.164_source*>.

Meaning: The encapsulation gate failed to receive an acknowledgment from the billing gate with regard to the new usage instance specified by the SNI index and E.164 destination and source addresses.

Entity Code/Event Code **68/12**

Decimal Identifier **16794636**

Severity: Warning

Message: cct <*circuit_no.*>: Receiving packets with invalid IP header.

Meaning: The specified circuit has received a packet with a badly formed or erroneous IP header.

Action: None may be required as the condition may be transient. If the condition persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **68/13**

Decimal Identifier **16794637**

Severity: Warning

Message: cct <*circuit_no.*>: No response to heartbeat poll.

Meaning: The Heartbeat Poll Downcount has been met; the BNX has issued an unacceptable number of unacknowledged heartbeat poll messages, and has taken the BNX/CSU connection down.

Action: Verify that the SMDS CSU/DSU supports heartbeat polling; verify the integrity of the BNX/CSU connection.

Entity Code/Event Code **68/14**

Decimal Identifier **16794638**

Severity: Warning

Message: cct <*circuit_no.*>: Heartbeat Poll interval not > 5 seconds.

Meaning: A Heartbeat Poll Interval is unacceptably short.

Action: Configure the interval to be greater than 5 seconds.

Entity Code/Event Code **68/15**

Decimal Identifier **16794639**

Severity: Warning

Message: cct <*circuit_no.*>: Can’t decode DXI Addr/Ctrl 0x<*hex_value*>.

Meaning: SMDS_SW received from the SMDS CSU/DSU (on the specified circuit) a DXI frame that contained an unparsable Address and/or Control field. The contents of the fields are displayed in hexadecimal format.

Entity Code/Event Code **68/16**

Decimal Identifier **16794640**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - SMDS Address Type error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an invalid value (other than 1100 or 1110) in the 4-bit Address_Type subfield of the SIP Level 3 PDU. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/17**

Decimal Identifier **16794641**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - SMDS Destination Address error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an invalid value in the 60-bit Destination_Address subfield of the SIP Level 3 PDU. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/18**

Decimal Identifier **16794642**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - SMDS Source Address error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an invalid value in the 60-bit Source_Address subfield of the SIP Level 3 PDU. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/19**

Decimal Identifier **16794643**

Severity: Warning

Meaning: cct <*circuit_no.*>: dropping packet - Invalid BAsize field value dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an incorrect value in the BAsize field. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/20**

Decimal Identifier **16794644**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - header extension length error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an incorrect value (other than 011) in the 3-bit Header Extension Length field. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/21**

Decimal Identifier **16794645**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - header extension version element error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an incorrect value (other than hexadecimal 030001) in the 3-octet Header Extension Version element, or the element was misplaced within the Header Extension. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/22**

Decimal Identifier **16794646**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - header extension carrier element error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained a faulty or unreadable Header Extension Carrier element, or the element was misplaced within the Header Extension. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/23**

Decimal Identifier **16794647**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - header extension pad element error dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained an improperly padded Header Extension field. The Header Extension field must be padded to 12 octets by an HE PAD element that commences with a string of 8 zeroes. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/24**

Decimal Identifier **16794648**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - Beginning-End Tag Mismatch dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained non-identical values in the BEtag fields of the SIP Level 3 PDU header and trailer. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/25**

Decimal Identifier **16794649**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - BAsize field not equal to Length field dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet received on the specified circuit because it contained non-identical values in the BAsize field of the SIP Level 3 PDU header and the Length field of the SIP Level 3 PDU trailer. dst and src contain the destination and source addresses from the PDU. The SIP Level 3 PDU is discarded.

Entity Code/Event Code **68/26**

Decimal Identifier **16794650**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - MIR exceeded dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet because the current rate of traffic flow to the packet's destination exceeds the configured MIR for the destination interface. dst and src contain the destination and source addresses from the PDU.

Action: None may be required, as the MIR mechanism is designed to prevent a source with greater bandwidth overflowing the receive facilities of a destination with lesser bandwidth. Confirm that the MIR for the destination interface, in fact, corresponds with the available bandwidth.

Entity Code/Event Code **68/27**

Decimal Identifier **16794651**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - Incorrect length field dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped a packet because the packet length value found in the BASize and length fields is incorrect. dst and src contain the destination and source addresses from the PDU. The packet is dropped.

Entity Code/Event Code **68/28**

Decimal Identifier **16794652**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - source address unassigned on this SNI dst <*E.164_address*> src <*E.164_address*>.

Meaning: An unauthorized subscriber is attempting to transmit SMDS packets across the SNI. dst and src contain the destination and source addresses from the PDU.

Action: None may be required as SMDS SW drops the packet. Verify that the subscriber (endpoint) list for the interface is correctly configured.

Entity Code/Event Code **68/29**

Decimal Identifier **16794653**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - destination address not for this SNI dst <*E.164_address*> src <*E.164_address*>.

Meaning: The SNI has received an SMDS packet whose destination E.164 address is not served by the SNI. dst and src contain the destination and source addresses from the PDU.

Action: None is required as the erroneous packet is dropped. If the event persists, identify and repair the packet source.

Entity Code/Event Code **68/30**

Decimal Identifier **16794654**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - source address screen violation dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped an incoming packet because the packet's source address was not included in the list of "allowed addresses" specified by the destination's associated individual address screen. dst and src contain the destination and source addresses from the PDU.

Action: None is required as the packet is dropped. If the event persists, identify and repair the source of the packets.

Entity Code/Event Code **68/31**

Decimal Identifier **16794655**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - destination address screen violation dst <*E.164_address*> src <*E.164_address*>.

Meaning: SMDS_SW has dropped an outgoing packet because the packet's destination address was not included in the list of "allowed addresses" specified by the originator's associated individual and group address screens. dst and src contain the destination and source addresses from the PDU.

Action: None is required as the packet is dropped. If the event persists, identify and repair the source of the packets.

Entity Code/Event Code **68/32**

Decimal Identifier **16794656**

Severity: Warning

Message: cct <*circuit_no.*>: dropping packet - larger than MTU size.

Meaning: SMDS_SW dropped a packet whose data field contained more than 4500 octets. The erroneous packet is dropped.

Entity Code/Event Code **68/33**

Decimal Identifier **16794657**

Severity: Warning

Message: cct <*circuit_no.*>: encaps gate received unexpected signal.

Meaning: The specified circuit could not be initialized.

Action: Delete, and then re-add the specified circuit.

Entity Code/Event Code **68/34**

Decimal Identifier **16794658**

Severity: Warning

Message: cct <*circuit_no.*>: Couldn't fully resolve group address.

Meaning: SMDS_SW could not obtain a sufficient number of buffers to explode a group addressed L3_PDU to all individual SNI recipients.

Entity Code/Event Code **68/56**

Decimal Identifier **16794680**

Severity: Warning

Message: cct <*circuit_no.*>: SWPROXY waiting for prerequisite gate(s).

Meaning: SMDS_SW is waiting for required WAN software modules to initialize.

Action: None may be required, as SMDS_SW will pend waiting for the required modules to load and/or initialize. If SMDS_SW fails to initialize, examine the event log for indications of WAN protocol errors.

Entity Code/Event Code **68/57**

Decimal Identifier **16794681**

Severity: Warning

Message: cct <*circuit_no.*>: SWPROXY prerequisite gates ceased.

Meaning: Certain WAN software processes required for SMDS_SW initialization have failed themselves to initialize.

Action: None may be required, as SMDS_SW will pend waiting for the required modules to re-initialize. If SMDS_SW fails to initialize, examine the event log for indications of WAN protocol errors.

Entity Code/Event Code **68/72**

Decimal Identifier **16794696**

Severity: Warning

Message: No interface record for sni: <*sni_index*> endpoint range: <*E.164_adddress*> — <*E.164_address*>

Meaning: The specified SNI and endpoint range have been configured, but without an associated interface.

Action: Repair the configuration record.

Entity Code/Event Code **68/73**

Decimal Identifier **16794697**

Severity: Warning

Message: No subscriber record for cct: <*circuit_no.*>

Meaning: The specified circuit lacks a subscriber record.

Action: Repair the configuration record.

Entity Code/Event Code **68/75**

Decimal Identifier **16794699**

Severity: Warning

Message: cct <*circuit_no.*>: Group address gate can’t get buffer to perform registration, will retry.

Meaning: A group address record has failed to initialize on the specified circuit.

Action: None may be required, as the group address will continue to try to initialize. If this message recurs, call the Bay Networks Technical Response Center.

Entity Code/Event Code **68/76**

Decimal Identifier **16794700**

Severity: Warning

Message: cct <*circuit_no.*>: Group address gate didn't get a reply from the registration gate, will retry.

Meaning: A group address record has failed to initialize on the specified circuit.

Action: None may be required, as the group address will continue to try to initialize. If this message recurs, call the Bay Networks Technical Response Center.

Information Events

Entity Code/Event Code **68/35**

Decimal Identifier **16794659**

Severity: Info

Message: cct <*circuit_no.*>: initializing.

Meaning: SMDS_SW is initializing on the specified circuit.

Entity Code/Event Code **68/36**

Decimal Identifier **16794660**

Severity: Info

Message: cct <*circuit_no.*>: IP initialized address to <*IP_address*>.

Meaning: As part of the initialization process specified IP address has been associated with the SMDS_SW interface.

Entity Code/Event Code **68/37**

Decimal Identifier **16794661**

Severity: Info

Message: cct <*circuit_no.*>: up.

Meaning: SMDS_SW has initialized on the specified circuit.

Entity Code/Event Code **68/38**

Decimal Identifier **16794662**

Severity: Info

Message: cct <*circuit_no.*>: interface down.

Meaning: The specified interface has ceased to provide service.

Entity Code/Event Code **68/39**

Decimal Identifier **16794663**

Severity: Info

Message: cct <*circuit_no.*>: disabled.

Meaning: The specified circuit has been disabled.

Entity Code/Event Code **68/58**

Decimal Identifier **16794682**

Severity: Info

Message: cct <*circuit_no.*>: SWPROXY prerequisite gate(s) loaded.

Meaning: Certain WAN software processes required for SMDS_SW initialization have completed initialization.

Trace Event

Entity Code/Event Code **68/40**

Decimal Identifier **16794664**

Severity: Trace

Message: cct <*circuit_no.*>: IP registered with encapsulation gate.

Meaning: Indicates that the initialization process for the specified circuit is underway.

SMDS_SW_BILLING Events

The event messages that follow are issued by the SMDS_SW_BILLING entity. They are organized by severity and event code. The entity code assigned to SMDS_SW_BILLING events is 69.

Fault Event

Entity Code/Event Code **69/1**

Decimal Identifier **16794881**

Severity: Fault

Message: System error, service attempting restart.

Meaning: SMDS_SW_BILLING experienced a fatal error and is restarting automatically. SMDS_SW_BILLING will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if SMDS_SW_BILLING fails to restart.

Warning Events

Entity Code/Event Code **69/2**

Decimal Identifier **16794882**

Severity: Warning

Message: Usage file needs <*decimal_value*> bytes. NVFS only has <*decimal_value*> bytes.

Meaning: There is not enough space on the NVFS media to write usage data.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/3**

Decimal Identifier **16794883**

Severity: Warning

Message: Error in mounting <*volume_name*>.

Meaning: SMDS_SW_BILLING encountered an error in mounting the specified volume.

Action: Try using **dinfo** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/4**

Decimal Identifier **16794884**

Severity: Warning

Message: Error in unmounting <*volume_name*>.

Meaning: SMDS_SW_BILLING encountered an error in unmounting the specified volume.

Action: Try using **dinfo** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/5**

Decimal Identifier **16794885**

Severity: Warning

Message: Error in writing usage file header: GFS status <*status_code*> wrote <*decimal_value*> bytes, should be <*decimal_value*>.

Meaning: SMDS_SW_BILLING encountered an error in writing the header of an open usage file.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/6**

Decimal Identifier **16794886**

Severity: Warning

Message: Error in writing usage file: wrote <*decimal_value*> records, should be <*decimal_value*>.

Meaning: SMDS_SW_BILLING encountered an error while writing usage records.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/7**

Decimal Identifier **16794887**

Severity: Warning

Message: Can’t remove empty <*character_string*> usage file.

Meaning: SMDS_SW_BILLING failed in an attempt to delete an empty usage file, identified by the character string.

Action: Delete the file manually.

Entity Code/Event Code **69/8**

Decimal Identifier **16794888**

Severity: Warning

Message: Error in compacting volume <*volume_number*>: return GFS status <*status_code*>.

Meaning: SMDS_SW_BILLING was unable to compact a volume.

Action: Compact the volume manually with the Technician Interface; if unable to do so, call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/9**

Decimal Identifier **16794889**

Severity: Warning

Message: Could not find a base record, creating one.

Meaning: SMDS_SW_BILLING cannot find billing data in the MIB, and will use default values to create the billing record.

Action: Repair the configuration file if default values are not acceptable.

Entity Code/Event Code **69/10**

Decimal Identifier **16794890**

Severity: Warning

Message: Invalid enable flag <*flag_value*> detected - ignored.

Meaning: The Enable parameter has been set to an illegal value, <flag_value>. An illegal value is any value other than Disable (2) or Enable (1). This message indicates that the parameter was set through the Technician Interface, as the Site Manager guards against illegal Enable values. SMDS_SW_BILLING will use the default value of Enable.

Action: Repair the configuration by adjusting the value of Enable.

Entity Code/Event Code **69/11**

Decimal Identifier **16794891**

Severity: Warning

Message: Invalid volume number <*volume_number*> detected - ignored.

Meaning: The File Store Volume parameter has been set to an illegal value, <*volume_number*>. SMDS_SW_BILLING will use the default value of 2.

Action: Repair the configuration by adjusting the value of File Store Volume.

Entity Code/Event Code **69/12**

Decimal Identifier **16794892**

Severity: Warning

Message: Invalid backup volume number <*volume_number*> detected - ignored.

Meaning: The File Store Backup parameter has been set to an illegal value, <*volume_number*>. SMDS_SW_BILLING will use the default value of 3.

Action: Repair the configuration by adjusting the value of File Store Backup.

Entity Code/Event Code **69/13**

Decimal Identifier **16794893**

Severity: Warning

Message: Invalid timer interval <*usage_timer_interval*> detected - ignored.

Meaning: The Usage Timer Interval parameter has been set to an illegal value, <usage_timer_interval>. The illegal value is outside the allowable parameter range (1 through 5). SMDS_SW_BILLING will use the default value of 1.

Action: Repair the configuration by adjusting the value of Usage Timer Interval.

Entity Code/Event Code **69/14**

Decimal Identifier **16794894**

Severity: Warning

Message: Invalid update interval <*update_interval*> detected - ignored.

Meaning: The Update Interval parameter has been set to an illegal value, <*update_interval*>. The illegal value is either outside the allowable parameter range (1 through 60), or it is not a multiple of the Usage Timer Interval. SMDS_SW_BILLING will use the default value of 10.

Action: Repair the configuration by adjusting the value of Update Interval.

Entity Code/Event Code **69/15**

Decimal Identifier **16794895**

Severity: Warning

Message: Invalid file prefix <*file_prefix_string*> detected - ignored.

Meaning: The File Prefix parameter has been set to an illegal value, <*file_prefix_string*>.

Action: Repair the configuration by adjusting the value of File Prefix.

Entity Code/Event Code **69/16**

Decimal Identifier **16794896**

Severity: Warning

Message: Invalid directory <*directory_string*> detected - ignored.

Meaning: The File Directory parameter has been set to an illegal value, <*directory_string*>.

Action: Repair the configuration by adjusting the value of File Directory.

Entity Code/Event Code **69/17**

Decimal Identifier **16794897**

Severity: Warning

Message: Invalid store interval <*store_interval*> detected - ignored.

Meaning: The Store Interval parameter has been set to an illegal value, <*store_interval*>. The illegal value is outside the acceptable parameter range (1 through 3600). SMDS_SW_BILLING will use the default value of 10.

Action: Repair the configuration by adjusting the value of Store Interval.

Entity Code/Event Code **69/18**

Decimal Identifier **16794898**

Severity: Warning

Message: Invalid flush data interval <*flush_interval*> detected - ignored.

Meaning: The Flush Interval parameter has been set to an illegal value, <*flush_interval*>. The illegal value is outside the acceptable parameter range (1 through 3600). SMDS_SW_BILLING will use the default value of 60.

Action: Repair the configuration by adjusting the value of Flush Interval.

Entity Code/Event Code **69/19**

Decimal Identifier **16794899**

Severity: Warning

Message: Invalid file cleanup interval <*file_cleanup_interval*> detected - ignored.

Meaning: The File Cleanup Interval parameter has been set to an illegal value, <*file_cleanup_interval*>. The illegal value is outside the acceptable parameter range (1 through 7200). SMDS_SW_BILLING will use the default value of 60.

Action: Repair the configuration by adjusting the value of File Cleanup Interval.

Entity Code/Event Code **69/20**

Decimal Identifier **16794900**

Severity: Warning

Message: Invalid debug flag <*flag_value*> detected - ignored.

Meaning: The Debug Information parameter has been set to an illegal value, <*flag_value*>. The illegal value is any value other than Disable (2) or Enable (1). This message indicates that the parameter was set through the Technician Interface, as the Site Manager guards against illegal Debug Information values. SMDS_SW_BILLING will use the default value of Disable.

Action: Repair the configuration by adjusting the value of Debug Information.

Entity Code/Event Code **69/21**

Decimal Identifier **16794901**

Severity: Warning

Message: Error in reading usage file header: GFS status <*status_code*> read <*decimal_value*> bytes, should be <*decimal_value*>.

Meaning: SMDS_SW_BILLING encountered an error in reading the header of an open usage file.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/22**

Decimal Identifier **16794902**

Severity: Warning

Message: Error in reading usage file: GFS status, read <*decimal_value*> records, should be <*decimal_value*>.

Meaning: SMDS_SW_BILLING encountered an error in reading an open usage file.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/23**

Decimal Identifier **16794903**

Severity: Warning

Message: Error in opening usage file.

Meaning: SMDS_SW_BILLING was unable to open a usage file.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/24**

Decimal Identifier **16794904**

Severity: Warning

Message: Could not read hardware serial id.

Meaning: SMDS_SW_BILLING could not read the hardware serial ID, which is used to create a switch id for the billing software entity.

Action: Call the Bay Networks Technical Response Center.

Entity Code/Event Code **69/25**

Decimal Identifier **16794905**

Severity: Warning

Message: cct <*circuit_no.*> VC <*pvc_no.*> bad multicast attribute <attribute_number> detected.

Meaning: The specified VC will be deleted because of a fault multicast attribute.

Action: Repair the configuration record.

Information Events

Entity Code/Event Code **69/26**

Decimal Identifier **16794906**

Severity: Info

Message: Service configuration enabled.

Meaning: SMDS_SW_BILLING has been enabled.

Entity Code/Event Code **69/27**

Decimal Identifier **16794907**

Severity: Info

Message: Service configuration disabled.

Meaning: SMDS_SW_BILLING has been disabled.

Entity Code/Event Code **69/28**

Decimal Identifier **16794908**

Severity: Info

Message: Service initializing.

Meaning: SMDS_SW_BILLING is being initialized.

Trace Events

Entity Code/Event Code **69/29**

Decimal Identifier **16794909**

Severity: Trace

Message: Self map: old 0x<*hex_value*> gh, new gh 0x<*hex_value*>.

Meaning: SMDS_SW_BILLING has triggered certain internal mapping functions.

Action: As required.

Entity Code/Event Code **69/30**

Decimal Identifier **16794910**

Severity: Trace

Message: Remote ceased: dead_slots 0x<*hex_value*>.

Meaning: SMDS_SW_BILLING detected the “death” of the specified slot.

Action: As required.

Entity Code/Event Code **69/31**

Decimal Identifier **16794911**

Severity: Trace

Message: <*character_string*> object map.

Meaning: SMDS_SW_BILLING has triggered certain internal object mapping function(s).

Action: As required.

Entity Code/Event Code **69/32**

Decimal Identifier **16794912**

Severity: Trace

Message: <*character_string*> instance map.

Meaning: SMDS_SW_BILLING has triggered certain internal mapping functions.

Action: As required.

Entity Code/Event Code **69/33**

Decimal Identifier **16794913**

Severity: Trace

Message: SMDS SW Billing MIB instance addition disallowed.

Meaning: SMDS_SW_BILLING has rejected an invalid MIB operation.

Action: As required.

Entity Code/Event Code **69/34**

Decimal Identifier **16794914**

Severity: Trace

Message: Rcvd unknown msg type <*type_ID*> from slot <*slot_no.*>.

Meaning: SMDS_SW_BILLING has received an unexpected internal message of the specified type from the specified slot.

Action: As required.

Entity Code/Event Code **69/35**

Decimal Identifier **16794915**

Severity: Trace

Message: Error in forwarding message: slot map 0x<*hex_value*>.

Meaning: SMDS_SW_BILLING was unable to forward a message to the specified slot.

Action: As required.

Entity Code/Event Code **69/36**

Decimal Identifier **16794916**

Severity: Trace

Message: Missing slot <*slot_no.*> info.

Meaning: SMDS_SW_BILLING is unable to find certain internal slot table information.

Action: As required.

Entity Code/Event Code **69/37**

Decimal Identifier **16794917**

Severity: Trace

Message: Rcvd unknown signal: <*decimal_value*>.

Meaning: SMDS_SW_BILLING has received an unexpected signal of the specified type.

Action: As required.

Entity Code/Event Code **69/38**

Decimal Identifier **16794918**

Severity: Trace

Message: Unexpected slot number <*slot_no.*> in reply.

Meaning: SMDS_SW_BILLING received an unexpected slot number in an internal message.

Action: As required.

Entity Code/Event Code **69/39**

Decimal Identifier **16794919**

Severity: Trace

Message: FlushData already in progress.

Meaning: SMDS_SW_BILLING has received a Flush command, while such an operation is in progress. SMDS_SW_BILLING ignores the second command.

Entity Code/Event Code **69/40**

Decimal Identifier **16794920**

Severity: Trace

Message: StoreData already in progress.

Meaning: SMDS_SW_BILLING has received a Store command, while such an operation is in progress. SMDS_SW_BILLING ignores the second command.

Entity Code/Event Code **69/41**

Decimal Identifier **16794921**

Severity: Trace

Message: FileCleanUp already in progress.

Meaning: SMDS_SW_BILLING has received a File Clean Up command, while such an operation is in progress. SMDS_SW_BILLING ignores the second command.

Entity Code/Event Code **69/42**

Decimal Identifier **16794922**

Severity: Trace

Message: UpdateData already in progress.

Meaning: SMDS_SW_BILLING has received an Update command, while such an operation is in progress. SMDS_SW_BILLING ignores the second command.

Entity Code/Event Code **69/43**

Decimal Identifier **16794923**

Severity: Trace

Message: Unexpected msg rcvd on non-master slot <*slot_no.*>.

Meaning: SMDS_SW_BILLING received an unexpected internal message.

Action: As required.

Entity Code/Event Code **69/44**

Decimal Identifier **16794924**

Severity: Trace

Message: Unexpected usage record found Sni <*SNI_ID*> dest addr 0x<*SMDS_addr*> src addr 0x<*SMDS_addr*>.

Meaning: SMDS_SW_BILLING has found an unexpected usage record.

Action: As required.

Entity Code/Event Code **69/45**

Decimal Identifier **16794925**

Severity: Trace

Message: Sni <SNI_id> dest addr 0x<*SMDS_addr*> src addr 0x<*SMDS_addr*> already in internal tbl.

Meaning: SMDS_SW_BILLING has found an unexpected usage record.

Action: As required.

Entity Code/Event Code **69/46**

Decimal Identifier **16794926**

Severity: Trace

Message: Missing slot <*slot_no.*> info in tbl.

Meaning: SMDS_SW_BILLING is unable to find certain internal slot table information.

Action: As required.

Entity Code/Event Code **69/47**

Decimal Identifier **16794927**

Severity: Trace

Message: Usage record Sni <*SNI_ID*> dest addr 0x<*SMDS_addr*> src addr 0x<*SMDS_addr*> has no billing record.

Meaning: SMDS_SW_BILLING detected inconsistent internal table information.

Action: As required.

Entity Code/Event Code **69/48**

Decimal Identifier **16794928**

Severity: Trace

Message: Usage record Sni <*SNI_ID*> dest addr 0x<*SMDS_addr*> src addr 0x<*SMDS_addr*> has no tbl entry.

Meaning: SMDS_SW_BILLING detected inconsistent internal table information.

Action: As required.

Entity Code/Event Code **69/49**

Decimal Identifier **16794929**

Message: Trace

Message: Bind op failed on newly rcvd cur usage inst: Sni <*SNI_ID*> dest addr 0x<*SMDS_addr*> src addr 0x<*SMDS_addr*>.

Meaning: SMDS_SW_BILLING detected inconsistent internal table information.

Action: As required.

Entity Code/Event Code **69/50**

Decimal Identifier **16794930**

Severity: Trace

Message: Ignoring info in usage file <*filename*> due to bad version field - expect <*expected_value*>, got <*obtained_value*>.

Meaning: During fault recovery procedures (triggered by a system fault or by a BNX reboot), SMDS_SW_BILLING, while trying to recover usage data from the NVFS, found an unexpected value (any value other than 8) in the Version field of the specified usage file.

Action: Verify the values of the File Prefix and Usage Volume billing parameters.

SNMP Events

The Simple Network Management Protocol service, referred to as the SNMP entity, issues the following event messages. The entity code assigned to SNMP events is 3.

Fault Event

Entity Code/Event Code **3/1**

Decimal Identifier **16777985**

Severity: Fault

Message: System error, service attempting restart.

Meaning: SNMP experienced a fatal error and is restarting automatically. SNMP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if SNMP fails to restart.

Warning Events

Entity Code/Event Code **3/5**

Decimal Identifier **16777989**

Severity: Warning

Message: Duplicate community <*community*>, with index <*value*> deleted.

Meaning: You created an SNMP community with the same name, <*community*>, as an existing community. SNMP deletes the newer community.

Action: None required, because SNMP deletes the duplicate community. To add multiple management communities, assign a unique name to each community.

Entity Code/Event Code **3/6**

Decimal Identifier **16777990**

Severity: Warning

Message: No corresponding community index <*value*> for manager <*IP_address*>, deleting instance.

Meaning: You created a manager, with the identity <*IP_address*>, that has no association with an existing management community. SNMP deletes this manager.

Action: None required, because SNMP deletes the manager record. To add multiple managers, associate them with existing communities, or add new community records.

Entity Code/Event Code **3/41**

Decimal Identifier **16778025**

Severity: Warning

Message: Agent detected death of Trap Manager.

Meaning: The entity that sends SNMP traps failed. The system recovers automatically.

Entity Code/Event Code **3/55**

Decimal Identifier **16778039**

Severity: Warning

Message: Agent received trap switches for unknown entity <*entity*>, deleting instance.

Meaning: You tried to configure traps for an entity using an invalid entity number.

Info Events

Entity Code/Event Code **3/7**

Decimal Identifier **16777991**

Severity: Info

Message: Protocol initializing.

Meaning: The SNMP agent is initializing.

Entity Code/Event Code **3/50**

Decimal Identifier **16778034**

Severity: Info

Message: Agent reset seed counters for manager <*manager*> in community <*community*>.

Meaning: You reset the counter for the proprietary SNMP security system.

Entity Code/Event Code **3/52**

Decimal Identifier **16778036**

Severity: Info

Message: Agent changed authentication mode to <*mode*>.

Meaning: You used the Technician Interface to change the authentication mode of the SNMP agent on the router. A mode of 1 indicates that the router is now set to operate in trivial security mode and a mode of 3 indicates that the router is now set to operate in proprietary security mode.

Trace Event

Entity Code/Event Code **3/8**

Decimal Identifier **16777992**

Severity: Trace

Message: Agent received unauthorized request from <*IP_address*> in community <*community*>.

Meaning: The SNMP agent received an SNMP packet from an unknown community with the identity <*community*> and an unknown manager with the identity <*IP_address*>.

Action: None required, because SNMP drops the packet without a response. Message may indicate a configuration error or an attempt to breach system security.

SPAN Events

The Spanning Tree service, referred to as the SPAN entity, issues the following event messages. The entity code assigned to SPAN events is 16.

Fault Event

Entity Code/Event Code **16/1**

Decimal Identifier **16781313**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Spanning Tree experienced a fatal error and is restarting automatically. The Spanning Tree will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if Spanning Tree fails to restart.

Warning Events

Entity Code/Event Code **16/6**

Decimal Identifier **16781318**

Severity: Warning

Message: Invalid forward delay configured.

Meaning: The configured Forward Delay timer value is not within the bounds specified by IEEE 802.1D, Section 4.10.2.

Allowable values for the Forward Delay timer are expressed by the formula: 2*(fwd_delay - 1.0 second) ≥ max_age

Action: Modify the bridge configuration record to enter a valid Forward Delay timer value.

Entity Code/Event Code **16/7**

Decimal Identifier **16781319**

Severity: Warning

Message: Invalid max age configured.

Meaning: The configured Max Age value is not within the bounds specified by IEEE 802.1D, Section 4.10.2. Allowable values for Max Age are expressed by the formula: max_age ≥ 2*(hello_timer + 1.0 second)

Action: Modify the bridge configuration record to enter a valid Max Age value.

Entity Code/Event Code **16/8**

Decimal Identifier **16781320**

Severity: Warning

Message: Unknown packet type <*type_value*>.

Meaning: Spanning Tree received a Bridge Protocol Data Unit (BPDU) packet which contained an unknown value, <*type_value*>, in the BPDU Type field.

Action: Monitor the network to identify and repair the source of the faulty BPDU.

Entity Code/Event Code **16/9**

Decimal Identifier **16781321**

Severity: Warning

Message: Invalid Spanning Tree base record instance ignored.

Meaning: You attempted to add a base record with an instance other than “0” to the MIB. Spanning Tree ignores the request.

Action: To alter the Spanning Tree base record, specify the instance “0”.

Info Events

Entity Code/Event Code **16/2**

Decimal Identifier **16781314**

Severity: Info

Message: Protocol initializing.

Meaning: Spanning Tree is initializing.

Entity Code/Event Code **16/3**

Decimal Identifier **16781315**

Severity: Info

Message: Protocol terminating.

Meaning: Spanning Tree is terminating.

Entity Code/Event Code **16/4**

Decimal Identifier **16781316**

Severity: Info

Message: Interface <*port_priority*>.<*interface_no.*> up on circuit <*circuit_no.*>.

Meaning: Spanning Tree is running on the circuit identified by <*circuit_no.*>.

Entity Code/Event Code **16/5**

Decimal Identifier **16781317**

Severity: Info

Message: Interface <*port_priority*>.<*interface_no.*> down on circuit <*circuit_no.*>.

Meaning: Spanning Tree is down on the circuit identified by <*circuit_no.*>.

Entity Code/Event Code **16/33**

Decimal Identifier **16781345**

Severity: Info

Message: Unable to deliver Spanning Tree state changed msg to RTM.

Meaning: While the router is in host only mode, the bridge cannot deliver any state changed messages to the IP Routing Table Manager.

Trace Event

Entity Code/Event Code **16/10**

Decimal Identifier **16781322**

Severity: Trace

Message: Bridge <*bridge ID*> chosen as new root of Spanning Tree

Meaning: The bridge specified by <*bridge ID*> is now the root bridge for Spanning Tree.

SR Events

The Source Routing bridge service, referred to as the SR entity, issues the following event messages. The entity code assigned to SR events is 29.

Fault Event

Entity Code/Event Code **29/1**

Decimal Identifier **16784641**

Severity: Fault

Message: System error, service attempting restart.

Message: The Source Routing Bridge experienced a fatal error and is restarting automatically. The Source Routing bridge will attempt to restart up to five times.

Meaning: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the Source Routing bridge fails to restart.

Warning Events

Entity Code/Event Code **29/15**

Decimal Identifier **16784655**

Severity: Warning

Message: Ring number not configured for circuit <*circuit_no.*>.

Meaning: No ring number is configured for the the specified circuit.

Action: Assign a valid ring number to the circuit using the Ring ID parameter.

Entity Code/Event Code **29/16**

Decimal Identifier **16784656**

Severity: Warning

Message: IP Delivery registration failed.

Meaning: The Source Routing bridge attempted to communicate with the IP router and failed.

Action: Verify the IP router’s configuration and state.

Entity Code/Event Code **29/17**

Decimal Identifier **16784657**

Severity: Warning

Message: IP Ring not configured.

Meaning: IP encapsulation has started but no ring number has been assigned to the IP network.

Action: Assign a valid ring number, using the Source Routing bridge's IP Ring parameter.

Entity Code/Event Code **29/18**

Decimal Identifier **16784658**

Severity: Warning

Message: SP Invalid forward delay configured.

Meaning: The forward delay value was configured too high relative to the hello time.

Action: Enter a lower forward delay value.

Entity Code/Event Code **29/19**

Decimal Identifier **16784659**

Severity: Warning

Message: SP Invalid max age configured

Meaning: The max age value was configured too high relative to the hello time.

Action: Enter a lower maximum age value.

Entity Code/Event Code **29/20**

Decimal Identifier **16784660**

Severity: Warning

Message: SP Unknown packet type <*packet_type*>

Meaning: A packet was received that was neither a configured BPDU nor a topology change BPDU.

Action: Determine who generated the packet.

Info Events

Entity Code/Event Code **29/2**

Decimal Identifier **16784642**

Severity: Info

Message: Service initializing

Meaning: Source routing is initializing.

Entity Code/Event Code **29/3**

Decimal Identifier **16784643**

Severity: Info

Message: Service terminating

Meaning: Source routing is terminating.

Entity Code/Event Code **29/4**

Decimal Identifier **16784644**

Severity: Info

Message: Interface up on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become enabled, thus providing Source Routing service to the interface.

Entity Code/Event Code **29/5**

Decimal Identifier **16784645**

Severity: Info

Message: Interface down on circuit <*circuit_no.*>

Meaning: The circuit identified by <*circuit_no.*> has become disabled, thus disabling Source Routing service to the interface.

Entity Code/Event Code **29/6**

Decimal Identifier **16784646**

Severity: Info

Message: IP encapsulation active

Meaning: IP encapsulation service has become active.

Entity Code/Event Code **29/7**

Decimal Identifier **16784647**

Severity: Info

Message: IP encapsulation not active

Meaning: IP encapsulation service has gone from active to not active.

Entity Code/Event Code **29/8**

Decimal Identifier **16784648**

Severity: Info

Message: Source Routing Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Drop packet).

Meaning: A Source Route packet has been dropped in accordance with the specified filter rule.

Entity Code/Event Code **29/9**

Decimal Identifier **16784649**

Severity: Info

Message: Source Routing Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Log only).

Meaning: A Source Route packet has been logged in accordance with the specified filter rule.

Entity Code/Event Code **29/10**

Decimal Identifier **16784650**

Severity: Info

Message: Source Routing Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Direct IP Explorers).

Meaning: A Source Route packet has been logged in accordance with the specified filter rule.

Entity Code/Event Code **29/11**

Decimal Identifier **16784651**

Severity: Info

Message: SP Protocol Initializing.

Meaning: Source route Spanning Tree has verified its Base Record information and is beginning to initialize its interfaces.

Entity Code/Event Code **29/12**

Decimal Identifier **16784652**

Severity: Info

Message: SP Protocol Terminating.

Meaning: Source route Spanning Tree has either temporarily or permanently been removed from operation.

Entity Code/Event Code **29/13**

Decimal Identifier **16784653**

Severity: Info

Message: SP Interface <*port_no.*> up on circuit <*circuit_no.*>.

Meaning: The specified port is now functioning as a Source Routing Spanning Tree port.

Entity Code/Event Code **29/14**

Decimal Identifier **16784654**

Severity: Info

Message: SP Interface <*port_no.*> down on circuit <*circuit_no.*>.

Meaning: The specified port is no longer functioning as a Source Route Spanning Tree port.

Entity Code/Event Code **29/75**

Decimal Identifier **16784715**

Severity: Info

Message: NetBIOS RIF cache is full.

Meaning: The RIF cache, which lists the addresses of NetBIOS stations and the routes to get to those stations, is full. The system uses this cache to convert NetBIOS broadcast frames to specifically routed frames. When the RIF cache is full, it cannot store new station addresses and routing information, reducing the efficiency of this function.

Action: You may want to increase the number of entries allowed in the NetBIOS RIF cache. You can do this by reconfiguring the Max Name Cache Entries parameter on Site Manager's Source Routing Global Parameters window.

Entity Code/Event Code **29/76**

Decimal Identifier **16784716**

Severity: Info

Message: NetBIOS QUERY cache is full.

Meaning: The query cache, which lists NetBIOS queries, is full. The system uses this cache to filter redundant NetBIOS query frames. When the query cache is full, it cannot store new queries, reducing the efficiency of this function.

Action: You may want to increase the number of entries allowed in the query cache. You can do this by reconfiguring the Max Number Query Cache Entries on Site Manager's Source Routing Global Parameters window.

Entity Code/Event Code **29/96**

Decimal Identifier **16784736**

Severity: Info

Message: XB RIF cache is full.

Meaning: The RIF table, which lists the addresses of Source Routing stations and the routes to get to those stations, is full. When the RIF table is full, it cannot store new station addresses and routing information. When the translation bridge receives traffic destined for stations not listed in the table, it must send the traffic to the Source Routing network as explorer frames.

Action: To avoid having an excessive number of explorer frames on the Source Routed network, you may want to increase the number of entries allowed in the RIF table. You can do this by reconfiguring the Max. Translation Entries value on Site Manager's Translation Bridge Global Parameters window, or by specifying a new value for the MIB entry wfBrXbBaseCurrentRifEntries.

Entity Code/Event Code **29/142**

Decimal Identifier **16784782**

Severity: Info

Message: Source Routing Traffic Filter — Rule <*filter_rule_no.*>, Circuit <*circuit_no.*> (Forward to Circuits)

Meaning: A Source Route packet has been forwarded to the specified circuit in accordance with the specified filter rule.

Trace Event

Entity Code/Event Code **29/24**

Decimal Identifier **16784664**

Severity: Trace

Message: SP Bridge ID <*bridge_ID*> chosen as new root of Spanning Tree.

Meaning: A Source Route Spanning Tree bridge has been chosen as the root of the Source Route Spanning Tree network.

ST2 Events

The ST2 service, referred to as the ST2 entity, issues the following event messages. The entity code assigned to ST2 events is 94.

Fault Events

Entity Code/Event Code **94/1**

Decimal Identifier **16801281**

Severity: Fault

Message: System error, service attempting restart

Meaning: The router experienced the fatal error and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

Information Events

Entity Code/Event Code **94/2**

Decimal Identifier **16801282**

Severity: Info

Message: Protocol initializing.

Meaning: ST2 is initializing.

Entity Code/Event Code **94/3**

Decimal Identifier **16801283**

Severity: Info

Message: Protocol terminating.

Meaning: The ST2 subsystem has been terminated; for example, the Base entry has been marked as DELETED or DISABLED.

Entity Code/Event Code **94/4**

Decimal Identifier **16801284**

Severity: Info

Message: Interface <*IP_address*> up on circuit <*circuit_no.*>.

Meaning: The specified ST2 interface is active on the specified circuit.

Entity Code/Event Code **94/5**

Decimal Identifier **16801285**

Severity: Info

Message: Interface <*IP_address*> down on circuit <*circuit_no.*>.

Meaning: The specified ST2 interface on the specified circuit is inactive.

STA Events

The Statistical Thresholds and Alarms service, referred to as the STA entity, issues the following event messages. The entity code assigned to STA events is 56.

Fault Event

Entity Code/Event Code **56/1**

Decimal Identifier **16791553**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The STA entity experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if STA fails to restart.

Warning Events

Entity Code/Event Code **56/2**

Decimal Identifier **16791554**

Severity: Warning

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> low threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of <*value*> <*units*> and is greater than or less than the low threshold.

Entity Code/Event Code **56/3**

Decimal Identifier **16791555**

Severity: Warning

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> medium threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of<*value*> <*units*> and is greater than or less than the medium threshold.

Entity Code/Event Code **56/4**

Decimal Identifier **16791556**

Severity: Warning

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> high threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of <*value*> <*units*> and is greater than or less than the high threshold.

Info Events

Entity Code/Event Code **56/5**

Decimal Identifier **16791557**

Severity: Info

Message: Service initializing.

Meaning: STA is initializing.

Entity Code/Event Code **56/6**

Decimal Identifier **16791558**

Severity: Info

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> low threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of<*value*> <*units*> and is greater than or less than the low threshold.

Entity Code/Event Code **56/7**

Decimal Identifier **16791559**

Severity: Info

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> medium threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of<*value*> <*units*> and is greater than or less than the medium threshold.

Entity Code/Event Code **56/8**

Decimal Identifier **16791560**

Severity: Info

Message: Object <*object_ID*> with value <*value*> <*units*> is <*greater/less_than*> high threshold.

Meaning: The MIB object with the identity <*object_ID*> has a value of<*value*> <*units*> and is greater than or less than the high threshold.

STATS Events

The Statistical Data Collection service, referred to as the STATS entity issues the following event messages. The entity code assigned to STATS events is 92.

Fault Event

Entity Code/Event Code **92/1**

Decimal Identifier **16800769**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The STATS entity experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if STATS fails to restart.

Warning Events

Entity Code/Event Code **92/2**

Decimal Identifier **16800770**

Severity: Warning

Message: Cannot find a base record, creating one.

Meaning: The statistical data collection software is creating a new instance record as part of the initialization process.

Entity Code/Event Code **92/3**

Decimal Identifier **16800771**

Severity: Warning

Message: No buffer for registration msg - line <*line_number*>.

Meaning: The statistical data collection software could not obtain a registration buffer required to complete the initialization process. The statistical data collection software will attempt to successfully complete the initialization process.

Entity Code/Event Code **92/6**

Decimal Identifier **16800774**

Severity: Warning

Message: Config error: bad stats dc disable flag - <*configured_value*>.

Meaning: wfStatsDcDisable contains an erroneous value (something other than 1 or 2), specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcDisable (the Site Manager Enable Statistical Data Collection parameter).

Entity Code/Event Code **92/7**

Decimal Identifier **16800775**

Severity: Warning

Message: Config error: bad stats volume - <*configured_value*>.

Meaning: wfStatsDcVolume contains an erroneous value, specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcVolume (the Site Manager Master Volume Number parameter).

Entity Code/Event Code **92/9**

Decimal Identifier **16800777**

Severity: Warning

Message: Config error: bad store interval - <*configured_value*>.

Meaning: wfStatsDcStoreInterval is out of bounds; retrieved MIB value is returned in <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcUpdateInterval (the Site Manager Store Interval parameter).

Entity Code/Event Code **92/10**

Decimal Identifier **16800778**

Severity: Warning

Message: Config error: bad file prefix - <*configured_value*>.

Meaning: wfStatsDcFilePrefix is too long; retrieved MIB string is returned in <*configured_value*>.

Action: Repair the configuration by assigning a valid character string to wfStatsDcFilePrefix (the Site Manager Data File Prefix parameter).

Entity Code/Event Code **92/11**

Decimal Identifier **16800779**

Severity: Warning

Message: Config error: bad switch ID - <*configured_value*>.

Meaning: wfStatsDcSwitchId is longer than 20 bytes; retrieved MIB string is returned in <*configured_value*>.

Action: Repair the configuration by assigning a valid character string to wfStatsDcSwitchId (the Site Manager BNX System Name parameter).

Entity Code/Event Code **92/12**

Decimal Identifier **16800780**

Severity: Warning

Message: Config error: bad enable all - <*configured_value*>.

Meaning: wfStatsDcEnableAll contains an erroneous value (something other than 1 or 2), specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcEnableAll (the Site Manager Override Enable All parameter).

Entity Code/Event Code **92/13**

Decimal Identifier **16800781**

Severity: Warning

Message: Config error: bad max file number - <*configured_value*>.

Meaning: wfStatsDcMaxNumFiles contains an erroneous value, specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value (from 0 to 144) to wfStatsDcMaxNumFiles (the Site Manager Max Number of Stats Files parameter).

Entity Code/Event Code **92/14**

Decimal Identifier **16800782**

Severity: Warning

Message: Config error: bad frvc disable - <*configured_value*>.

Meaning: wfStatsDcFrVcDisable contains an erroneous value (something other than 1 or 2), specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcFrVcDisable (the Site Manager FRVC Enable parameter).

Entity Code/Event Code **92/15**

Decimal Identifier **16800783**

Severity: Warning

Message: Config error: bad cngc disable - <*configured_value*>.

Meaning: wfStatsDcCctCngcDisable contains an erroneous value (something other than 1 or 2), specified by <*configured_value*>.

Action: Repair the configuration by assigning a valid value to wfStatsDcCctCngcDisable (the Site Manager Congestion Control Enable parameter).

Entity Code/Event Code **92/16**

Decimal Identifier **16800784**

Severity: Warning

Message: Config error: bad hssi fields - <*configured_HSSI_bit_mask*>.

Meaning: wfStatsDcHssiFields (the HSSI bit mask) is incorrectly constructed, in that more than 22 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcHssiFields (the Site Manager HSSI Counter Bit Mask parameter).

Entity Code/Event Code **92/17**

Decimal Identifier **16800785**

Severity: Warning

Message: Config error: bad sync fields - <*configured_SYNC_bit_mask*>.

Meaning: wfStatsDcSyncFields (the SYNC bit mask) is incorrectly constructed, in that more than 19 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcSyncFields (the Site Manager SYNC Counter Bit Mask parameter).

Entity Code/Event Code **92/18**

Decimal Identifier **16800786**

Severity: Warning

Message: Config error: bad ds1e1 fields - <*configured_DS1E1_bit_mask*>.

Meaning: wfStatsDcDs1E1Fields (the DS1E1 bit mask) is incorrectly constructed, in that more than 26 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcDs1E1Fields (the Site Manager DS1E1 Counter Bit Mask parameter).

Entity Code/Event Code **92/19**

Decimal Identifier **16800787**

Severity: Warning

Message: Config error: bad fddi fields - <*configured_FDDI_bit_mask*>.

Meaning: wfStatsDcFddiFields (the FDDI bit mask) is incorrectly constructed, in that more than 38 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcFddiFields (the Site Manager FDDI Counter Bit Mask parameter).

Entity Code/Event Code **92/20**

Decimal Identifier **16800788**

Severity: Warning

Message: Config error: bad frsw vc fields - <*configured_PVC_bit_mask*>.

Meaning: wfStatsDcFrSwVcFields (the PVC bit mask) is incorrectly constructed, in that more than 28 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcFrSwVcFields (the Site Manager FRSW Counter Bit Mask parameter).

Entity Code/Event Code **92/21**

Decimal Identifier **16800789**

Severity: Warning

Message: Config error: bad cct cngc fields - <*configured_Congestion_bit_mask*>.

Meaning: wfStatsDcCctCngcFields (the Congestion Control bit mask) is incorrectly constructed, in that more than 28 bits are set.

Action: Repair the configuration by assigning a valid value to wfStatsDcCctCngcFields (the Site Manager Cng Ctrl Counter Bit Mask parameter).

Entity Code/Event Code **92/22**

Decimal Identifier **16800790**

Severity: Warning

Message: STATS Data Collection not enabled for the switch.

Meaning: A user has attempted to invoke the statistical data collection process (for example, by setting wfStatsDcStoreData to a non-zero value) without first enabling the process.

Action: Set wfStatsDcDisable (the Site Manager Enable Statistical Data Collection parameter) to Enable.

Entity Code/Event Code **92/23**

Decimal Identifier **16800791**

Severity: Warning

Message: LDG of line <*line_no.*> cannot send registration to STATS Gate.

Meaning: The line driver gate (LDG), associated with the specified line number, could not complete the initialization process. The LDG gathers media-specific (FDDI, HSSI, MCE1, MCT1, and Sync) data under the direction of the statistical data collection process.The LDG will attempt to restart.

Entity Code/Event Code **92/25**

Decimal Identifier **16800793**

Severity: Warning

Message: No room for STATS file on slot - <*slot_no.*>.

Meaning: The statistical data collection software was unable to write a performance file to the PCMCIA SRAM media housed in <*slot_no.*>. Generally, this message indicates that the file was too large to be written to the storage media. However, it can also be generated if the statistical data collection software is unable to access the storage media.

Action: Retrieve accumulated statistical files from the PCMCIA SRAM with either TFTP or FTP, and compact the storage media to maximize available space.

Entity Code/Event Code **92/26**

Decimal Identifier **16800794**

Severity: Warning

Message: Error in opening STATS DC file.

Meaning: The statistical data collection software was unable to write a performance file to the storage media.

Action: Determine if the PCMCIA SRAM storage media is write-protected. Check to see if the storage media has become corrupted.

Entity Code/Event Code **92/27**

Decimal Identifier **16800795**

Severity: Warning

Message: No buffer available for request message.

Meaning: The statistical data collection software master process was unable to obtain buffer resources when it attempted to request statistical performance data from the remote slots.

Action: Investigate the cause of the buffer starvation. If necessary, move statistical data collection to a less busy slot.

Entity Code/Event Code **92/28**

Decimal Identifier **16800796**

Severity: Warning

Message: No buffer available for data message.

Meaning: A statistical data collection software slave process (that is, not the master process) was unable to obtain buffer resources when it attempted to gather local statistical performance data.

Action: Investigate the cause of the buffer starvation.

Entity Code/Event Code **92/29**

Decimal Identifier **16800797**

Severity: Warning

Message: No buffer available for eot message.

Meaning: A statistical data collection software slave process (that is, not the master process) was unable to obtain buffer resources when it attempted to transmit an eot (end of transmission) notification to the master process. The eot notification informs the master process that all statistical performance data has been transmitted by the slave process.

Action: Investigate the cause of the buffer starvation.

Entity Code/Event Code **92/30**

Decimal Identifier **16800798**

Severity: Warning

Message: Error in forwarding message: slot mask 0x<value>.

Meaning: A statistical data collection software slave process (that is, not the master process) was unable to forward a message to the master process.

Entity Code/Event Code **92/31**

Decimal Identifier **16800799**

Severity: Warning

Message: Stats file needs <*file_size*> bytes. NVFS only has <*available_bytes*> bytes.

Meaning: There is not enough space on the PCMCIA SRAM storage media for the master process to write the current performance file.

Action: If possible, free space on the storage media, or designate another PCMCIA SRAM media as the storage device.

Entity Code/Event Code **92/32**

Decimal Identifier **16800800**

Severity: Warning

Message: Error in writing file header: GFS status <*status_code*> wrote <*value*>bytes, should be <*value*>.

Meaning: The statistical data collection software encountered an error in writing the header of an open performance file.

Action: Try using **dinfo** and **dir** to diagnose the problem; if the problem persists, call the Bay Networks Technical Response Center.

Entity Code/Event Code **92/33**

Decimal Identifier **16800801**

Severity: Warning

Message: Error in mounting <*PCMCIA_SRAM*>.

Meaning: The statistical data collection software was unable to mount the specified storage device.

Action: Verify the integrity of the storage device.

Entity Code/Event Code **92/34**

Decimal Identifier **16800802**

Severity: Warning

Message: Error in unmounting <*PCMCIA_SRAM*>.

Meaning: The statistical data collection software was unable to dismount the specified storage device.

Action: Verify the integrity of the storage device.

Entity Code/Event Code **92/35**

Decimal Identifier **16800803**

Severity: Warning

Message: Error in compacting volume <*slot_no.*>: return GFS status <*status_code*>.

Meaning: The statistical data collection software was unable to compact the specified storage device.

Action: Verify the integrity of the storage device.

Entity Code/Event Code **92/79**

Decimal Identifier **16814671**

Severity: Warning

Message: LBC: No buffer for registration msg - line <*line_no.*>.

Meaning: The LBC Gate, associated with the specified line number, could not complete the initialization process. There are no buffers available for allocation.

Entity Code/Event Code **92/80**

Decimal Identifier **16814672**

Severity: Warning

Message: LBC: LDG of line <*line_no.*> cannot send registration to LBC Gate.

Meaning: The message cannot be received by the LBC Gate. This condition is generally temporary.

Entity Code/Event Code **92/81**

Decimal Identifier **16814673**

Severity: Warning

Message: LBC: config error: bad MIB pointer - line <*line_no.*>.

Meaning: There is an inconsistency at the system level resulting in a fatal error. The system is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if STATS fails to restart.

Entity Code/Event Code **92/82**

Decimal Identifier **16814674**

Severity: Warning

Message: LBC: circuit type <*type_value*> of line <*line_no.*> is not supported.

Meaning: The user has entered a value for a type of media that is not supported.

Action: Check to make sure that you have specified the correct media type.

Entity Code/Event Code **92/83**

Decimal Identifier **16814675**

Severity: Warning

Message: LBC: Attribute <*attribute*> defined is invalid.

Meaning: The user has set an update value that is not divisible into 60.

Action: The system automatically re-sets to its default interval of 5 minutes between updates.

Information Events

Entity Code/Event Code **92/36**
Decimal Identifier **16800804**
Severity: Info
Message: Service initializing.
Meaning: The statistical data collection software is initializing.

Entity Code/Event Code **92/37**
Decimal Identifier **16800805**
Severity: Info
Message: STATS Ensign gate became local - line <*line_no.*>
Meaning: The statistical data collection software is initializing normally on the specified line.

Entity Code/Event Code **92/38**
Decimal Identifier **16800806**
Severity: Info
Message: LDG of line - <*line_no.*>, maps to STATS ensign gate.
Meaning: The statistical data collection software is initializing normally on the specified line.

Entity Code/Event Code **92/39**
Decimal Identifier **16800807**
Severity: Info
Message: Service configuration disabled.
Meaning: The statistical data collection software has been disabled.

Entity Code/Event Code **92/40**
Decimal Identifier **16800808**
Severity: Info
Message: Service configuration enabled.
Meaning: The statistical data collection software has been enabled.

Entity Code/Event Code **92/76**

Decimal Identifier **16814668**

Severity: Info

Message: LBC: Service initializing.

Meaning: The statistical data collection software is initializing.

Entity Code/Event Code **92/77**

Decimal Identifier **16814669**

Severity: Info

Message: LBC: Init gate became local - line <*line_no.*>

Meaning: The statistical data collection software is initializing normally on the specified line.

Entity Code/Event Code **92/78**

Decimal Identifier **16814670**

Severity: Info

Message: LBC: LDG of line - <*line_no.*>, maps to LBC Init gate.

Meaning: The statistical data collection software is initializing normally on the specified line.

Trace Events

Entity Code/Event Code **92/86**

Decimal Identifier **16814678**

Severity: Info

Message: LBC: LDG maps to LBC gate - line <*line_no.*>.

Meaning: The statistical data collection software is initializing normally on the specified line.

Entity Code/Event Code **92/87**

Decimal Identifier **16814679**

Severity: Info

Message: LBC Self map: old <*gate_ID*> gh, new gh <*gate_ID*>.

Meaning: The old gate has died and been replaced by a new gate.

SWSERV Events

The SWSERV (switched services) events, which include Dial-on-Demand, Dial Backup, and Bandwidth-on-Demand issue the following event messages. The entity code assigned for dial services events is 58.

Some of the event messages include cause code and meanings. Others include the cause code without the meaning. A list of the most common cause codes and meanings is at the end of this section.

Fault Event

Entity Code/Event Code **58/1**

Decimal Identifier **16792065**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The service experienced a fatal error and is restarting automatically.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the service fails to restart.

Warning Event

Entity Code/Event Code **58/97**

Decimal Identifier **16792161**

Severity: Warning

Message: ISDN unsupported switch type configured on slot <*slot_no.*>.

Meaning: You have entered an invalid switch type in the Switch Type parameter for the ISDN BRI line.

Action: Enter a switch type from the list of switches that the router supports.

Info Events

Entity Code/Event Code **58/3**

Decimal Identifier **16792067**

Severity: Info

Message: No backup line available in backup pool <*backup_pool_ID*> for primary circuit <*circuit_no.*>.

Meaning: The primary circuit has failed and all backup lines specified for use by that primary circuit are in use or out of service.

Entity Code/Event Code **58/4**

Decimal Identifier **16792068**

Severity: Info

Message: Primary circuit <*circuit_no.*> failed — backup circuit in slave mode.

Meaning: The primary circuit has failed. The backup line is in slave mode and is waiting for the master router to initiate a call.

Entity Code/Event Code **58/5**

Decimal Identifier **16792069**

Severity: Info

Message: Primary circuit <*circuit_no.*> failed — backup circuit in master mode.

Meaning: The primary circuit has failed. The backup line is in master mode and is attempting to establish a connection with the slave router.

Entity Code/Event Code **58/6**

Decimal Identifier **16792070**

Severity: Info

Message: Backup line <*backup_line_ID*> is in use by circuit <*circuit_no.*>.

Meaning: The primary circuit is using the backup line to provide connectivity for the failed primary line.

Entity Code/Event Code **58/7**

Decimal Identifier **16792071**

Severity: Info

Message: Dial on demand circuit being established on line <*line_no.*>.

Meaning: A demand circuit is transmitting data over the specified line.

Entity Code/Event Code **58/8**

Decimal Identifier **16792072**

Severity: Info

Message: No line available for dial on demand circuit <*circuit_no.*>.

Meaning: All lines in the demand pool are in use by other circuits or are not available.

Entity Code/Event Code **58/9**

Decimal Identifier **16792073**

Severity: Info

Message: Backup Line <*line_no.*> available for backup pool <*backup_pool_ID*>.

Meaning: The backup line is available for use.

Entity Code/Event Code **58/10**

Decimal Identifier **16792074**

Severity: Info

Message: Demand Line <*line_no.*> available for dial on demand pool <*pool_ID*>.

Meaning: The demand line in the specified demand pool is available for use by a demand circuit.

Entity Code/Event Code **58/11**

Decimal Identifier **16792075**

Severity: Info

Message: Dial on demand circuit <*circuit_no.*> established — waiting to be activated.

Meaning: The router has created the demand circuit. Based on the configuration, the router advertises that the addresses associated with this circuit are available. If the router receives data for this circuit, or the “bring up time” occurs, the router establishes a switched connection to the remote router.

Entity Code/Event Code **58/12**

Decimal Identifier **16792076**

Severity: Info

Message: Backup Mode attribute modified on circuit <*circuit_no.*>.

Meaning: You modified the Backup Mode field for the primary circuit.The router at one end of the connection should be set to master, the other should be set to slave.

Entity Code/Event Code **58/13**

Decimal Identifier **16792077**

Severity: Info

Message: Backup Pool attribute modified to pool <*pool_ID*> on circuit <*circuit_no.*>.

Meaning: You modified the Backup Pool ID field for the specified circuit. If the primary circuit fails, the router will use lines in the new pool.

Entity Code/Event Code **58/14**

Decimal Identifier **16792078**

Severity: Info

Message: CircuitType attribute modified to Primary for circuit <*circuit_no.*>.

Meaning: You modified the specified circuit to Primary. If the primary line fails, the router attempts to use a backup circuit.

Entity Code/Event Code **58/15**

Decimal Identifier **16792079**

Severity: Info

Message: CircuitType attribute modified to Dial on demand for circuit <*circuit_no.*>.

Meaning: You changed the circuit type to Dial-on-Demand for the specified circuit.

Entity Code/Event Code **58/16**

Decimal Identifier **16792080**

Severity: Info

Message: ForcedDial attribute modified on Dial on demand circuit <*circuit_no.*>.

Meaning: You changed the Force Dial parameter for the specified demand circuit. If you set this parameter to Enable, the router attempts to establish switched connection to the remote router. If you set it to Disable, the router takes no action.

Entity Code/Event Code **58/17**

Decimal Identifier **16792081**

Severity: Info

Message: ForcedDial executed on Dial on demand circuit <*circuit_no.*>.

Meaning: You forced the router to establish a switched connection with the specified demand circuit.

Entity Code/Event Code **58/18**

Decimal Identifier **16792082**

Severity: Info

Message: ForcedDial failed on Dial on demand circuit <*circuit_no.*>.

Meaning: You forced the router to establish a switched connection for the specified demand circuit, but the forced dial failed.

Entity Code/Event Code **58/19**

Decimal Identifier **16792083**

Severity: Info

Message: Switched Services bring up time attribute modified on circuit <*circuit_no.*>.

Meaning: You modified the Bring Up Hour field or the Bring Up Minute field for a demand circuit. The router tries to establish a switched connection for this circuit at the specified time.

Entity Code/Event Code **58/20**

Decimal Identifier **16792084**

Severity: Info

Message: Switched Services take down time attribute modified on circuit <*circuit_no.*>.

Meaning: You modified the Take Down Hour or Take Down Minute parameter for a demand circuit. The router terminates the switched connection at the takedown time.

Entity Code/Event Code **58/21**

Decimal Identifier **16792085**

Severity: Info

Message: Switched Services inactivity time attribute modified on circuit <*circuit_no.*>.

Meaning: You changed the Inactivity Timeout field for the specified circuit. This message only appears for dial-on-demand. The router terminates the circuit if no data is sent or received for the modified inactivity time.

Entity Code/Event Code **58/23**

Decimal Identifier **16792087**

Severity: Info

Message: Data received for dial on demand circuit <*circuit_no.*>.

Meaning: The demand circuit has data to transmit and is attempting to establish a connection over the demand line.

Entity Code/Event Code **58/24**

Decimal Identifier **16792088**

Severity: Info

Message: Incoming circuit establish received for circuit <*circuit_no.*>.

Meaning: The backup or demand line received an incoming call requesting a dial line connection. Using a PPP identification mechanism, the router determined that the specified circuit should run over this switched connection.

Entity Code/Event Code **58/48**

Decimal Identifier **16792112**

Severity: Info

Message: Backup start period reached, establishing failed primary circuit <*circuit_no.*>.

Meaning: The backup start period is beginning and a failed primary circuit is being brought up in backup mode. If the primary circuit fails between the backup start and end period, the router attempts to establish a switched connection for the failed primary circuit.

Entity Code/Event Code **58/49**

Decimal Identifier **16792113**

Severity: Info

Message: Primary circuit <*circuit_no.*> could not be established, circuit being established in backup mode.

Meaning: After booting the router, the primary circuit has not become active. As a result, the router is bringing up the circuit over a backup line.

Entity Code/Event Code **58/50**

Decimal Identifier **16792114**

Severity: Info

Message: Primary circuit <*circuit_no.*> in backup mode terminated, end time for backup interval reached.

Meaning: The time period for the primary circuit run in backup mode has ended. The state of the primary circuit has been set to inactive. The circuit remains down until the beginning of the new backup time period.

Entity Code/Event Code **58/51**

Decimal Identifier **16792115**

Severity: Info

Message: ForcedTakedown attribute modified on circuit <*circuit_no.*>.

Meaning: You set the ForcedTakedown attribute to Enable and the router terminated the circuit immediately. This action does not prevent the router from re-establishing the circuit.

Entity Code/Event Code **58/52**

Decimal Identifier **16792116**

Severity: Info

Message: Demand pool for circuit <*circuit_no.*> modified to demand pool id <*demand_pool_ID*>.

Meaning: You changed the demand pool ID for the specified circuit.

Entity Code/Event Code **58/54**

Decimal Identifier **16792118**

Severity: Info

Message: Dial on demand circuit <*circuit_no.*> terminated - no active lines in pool.

Meaning: The router brought down the demand circuit because there were no active lines available in the demand pool.

Entity Code/Event Code **58/55**

Decimal Identifier **16792119**

Severity: Info

Message: No data received for demand circuit <*circuit_no.*> for the configured inactivity period. Demand circuit being brought down due to inactivity.

Meaning: There was no data for the router to send over the demand circuit within the time limit of the inactivity period, so the router terminated the connection.

Entity Code/Event Code **58/56**

Decimal Identifier **16792120**

Severity: Info

Message: Demand circuit <*circuit_no.*> configuration modified to NOT disconnect due to inactivity.

Meaning: You have changed your demand circuit so that once the router makes the connection, this connection remains active regardless of whether or not there is data to send or receive.

Entity Code/Event Code **58/57**

Decimal Identifier **16792121**

Severity: Info

Message: Demand Connection Mode Modified to <*parameter_value*> for circuit <*circuit_no.*>.

Meaning: You changed the entry in the Connection Mode parameter for the demand circuit.

Entity Code/Event Code **58/58**

Decimal Identifier **16792122**

Severity: Info

Message: Demand circuit <*circuit_no.*> configured to NOT disconnect due to inactivity.

Meaning: You have configured your demand circuit so that once the router makes the connection, this connection remains active regardless of whether or not there is data to send or receive.

Entity Code/Event Code **58/59**

Decimal Identifier **16792123**

Severity: Info

Message: Line Manager Initializing.

Meaning: The Line Manager software is initializing. The Line Manager is the entity that manages the availability of all dial lines.

Entity Code/Event Code **58/60**

Decimal Identifier **16792124**

Severity: Info

Message: ISDN Alerting Indication with Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router received an alerting indication from the switch that it is still processing the specified call.

Entity Code/Event Code **58/61**

Decimal Identifier **16792125**

Severity: Info

Message: ISDN Call Proceeding Indication with Call ID <*ID_no.*>, Channel B <*channel_no.*> on DSL <*ID_no.*>.

Meaning: The router received an indication that the call is proceeding in response to a call setup for the specified B channel.

Entity Code/Event Code **58/62**

Decimal Identifier **16792126**

Severity: Info

Message: ISDN Call Proceeding Indication with Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router received an indication that the call is proceeding in response to a call setup request for the specified B channel.

Entity Code/Event Code **58/63**

Decimal Identifier **16792127**

Severity: Info

Message: ISDN Clear Confirm for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router received a clear confirm from the network.

Entity Code/Event Code **58/64**

Decimal Identifier **16792128**

Severity: Info

Message: ISDN Clear Indication for Call ID <*ID_no.*> with Cause <*cause_code*><*code_meaning*> on DSL <*ID_no.*>.

Meaning: The router received a clear indication from the network for a specified call. The router responds with a clear confirm.

Entity Code/Event Code **58/65**

Decimal Identifier **16792129**

Severity: Info

Message: ISDN Connect Indication for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: In response to a call setup request, the router received a connect indication from the network for the specified call.

Entity Code/Event Code **58/66**

Decimal Identifier **16792130**

Severity: Info

Message: ISDN Setup Confirm for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: In response to a call setup request, the router received a setup confirmation from the network.

Entity Code/Event Code **58/67**

Decimal Identifier **16792131**

Severity: Info

Message: ISDN Setup Confirm for Call ID <*ID_no.*>, Channel B <*channel_no.*> on DSL <*ID_no.*>.

Meaning: In response to a call setup request, the router received a setup confirmation for the specified B channel from the network.

Entity Code/Event Code **58/68**

Decimal Identifier **16792132**

Severity: Info

Message: ISDN Setup Indication with Call ID <*ID_no.*>, Channel B <*channel_no.*> on DSL <*ID_no.*>.

Meaning: The router received an incoming setup from the network for the specified channel.

Entity Code/Event Code **58/69**

Decimal Identifier **16792133**

Severity: Info

Message: ISDN Setup Response for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router received a setup response from the network. The router did not respond.

Entity Code/Event Code **58/70**

Decimal Identifier **16792134**

Severity: Info

Message: ISDN Register Confirm on DSL <*ID_no.*>.

Meaning: The router received a register confirm message from the network.

Entity Code/Event Code **58/71**

Decimal Identifier **16792135**

Severity: Info

Message: ISDN Disconnect Indication for Call ID <*ID_no.*>with Cause <*cause_code*><*code_meaning*> on DSL <*ID_no.*>.

Meaning: The router received a disconnect indication from the network. It responded with a clear request.

Entity Code/Event Code **58/72**

Decimal Identifier **16792136**

Severity: Info

Message: ISDN Activation Indication on DSL <*ID_no.*>.

Meaning: The router received an activation indication from the network for this digital subscriber loop (DSL).

Entity Code/Event Code **58/73**

Decimal Identifier **16792137**

Severity: Info

Message: ISDN Deactivation Indication on DSL <*ID_no.*>.

Meaning: The router received a disconnect indication from the network for this DSL.

Action: Remove any connections that exist.

Entity Code/Event Code **58/74**

Decimal Identifier **16792138**

Severity: Info

Message: ISDN Alerting Request for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent an alerting request to the network in response to a setup indication.

Entity Code/Event Code **58/75**

Decimal Identifier **16792139**

Severity: Info

Message: ISDN Call Proceeding Request for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent a call proceeding request to the network.

Entity Code/Event Code **58/76**

Decimal Identifier **16792140**

Severity: Info

Message: ISDN Clear Request for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent a clear request in response to a disconnect indication.

Entity Code/Event Code **58/77**

Decimal Identifier **16792141**

Severity: Info

Message: ISDN Connect Request for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent a connect request in response to a setup indication from the network.

Entity Code/Event Code **58/78**

Decimal Identifier **16792142**

Severity: Info

Message: ISDN Setup Request with Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent a setup request to the network to establish a switched connection.

Entity Code/Event Code **58/79**

Decimal Identifier **16792143**

Severity: Info

Message: ISDN Disconnect Request for Call ID <*ID_no.*> with Cause <*cause_code*><*code_meaning*> on DSL <*ID_no.*>.

Meaning: The router sent a disconnect request to the network to terminate the specified call for the specified cause.

Entity Code/Event Code **58/80**

Decimal Identifier **16792144**

Severity: Info

Message: ISDN Clear Response for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router sent a clear response upon receiving a clear indication from the network.

Entity Code/Event Code **58/81**

Decimal Identifier **16792145**

Severity: Info

Message: ISDN Host Activate Request on DSL <*ID_no.*>.

Meaning: The router received a host activation request from the network.

Entity Code/Event Code **58/82**

Decimal Identifier **16792146**

Severity: Info

Message: ISDN Host Deactivate Request on DSL <*ID_no.*>.

Meaning: The router received a host deactivation request from the network.

Entity Code/Event Code **58/83**

Decimal Identifier **16792147**

Severity: Info

Message: ISDN Connect Confirm Indication for Call ID <*ID_no.*> on DSL <*ID_no.*>.

Meaning: The router received a connect confirm message form the network.

Entity Code/Event Code **58/84**

Decimal Identifier **16792148**

Severity: Info

Message: ISDN Information Indication on DSL <*ID_no.*>.

Meaning: The router received an information indication from the network.

Entity Code/Event Code **58/85**

Decimal Identifier **16792149**

Severity: Info

Message: ISDN Progress Indication on DSL <*ID_no.*>.

Meaning: The router received a progress indication from the network.

Entity Code/Event Code **58/86**

Decimal Identifier **16792150**

Severity: Info

Message: ISDN Configured for switch type BRI VN3.

Meaning: You have set the Switch Type parameter to BRI VN3 for this particular B channel. The router should therefore be connected to a VN3 switch.

Entity Code/Event Code **58/87**

Decimal Identifier **16792151**

Severity: Info

Message: ISDN Configured for switch type BRI Net 3.

Meaning: You have set the Switch Type parameter to BRI Net 3 for this particular B channel. The router should therefore be connected to a Net 3 switch.

Entity Code/Event Code **58/88**

Decimal Identifier **16792152**

Severity: Info

Message: ISDN Configured for switch type BRI Swissnet.

Meaning: You have set the Switch Type parameter to BRI Swissnet for this particular B channel. The router should therefore be connected to a Swissnet switch.

Entity Code/Event Code **58/89**

Decimal Identifier **16792153**

Severity: Info

Message: ISDN Configured for switch type BRI NTT.

Meaning: You have set the Switch Type parameter to BRI NTT for this particular B channel. The router should therefore be connected to an NTT switch.

Entity Code/Event Code **58/90**

Decimal Identifier **16792154**

Severity: Info

Message: ISDN Configured for switch type BRI KDD.

Meaning: You have set the Switch Type parameter to BRI KDD for this particular B channel. The router should therefore be connected to a KDD switch.

Entity Code/Event Code **58/91**

Decimal Identifier **16792155**

Severity: Info

Message: Incoming ISDN call with screened Calling Party number <*calling_ID.*> being dropped on DSL <*ID_no.*>.

Meaning: The router identified the calling party based on the calling ID and will not allow the call through. Instead the call has been dropped.

Entity Code/Event Code **58/92**

Decimal Identifier **16792156**

Severity: Info

Message: No Called Party number on multipoint DSL <*ID_no.*>.

Meaning: The router received a setup request on a multipoint line, but no local phone numbers are configured.

Entity Code/Event Code **58/93**

Decimal Identifier **16792157**

Severity: Info

Message: Called Party Number does not match local values on DSL <*ID_no.*>, dropping.

Meaning: You entered the wrong local phone number for this BRI interface. The router refused the incoming call.

Entity Code/Event Code **58/94**

Decimal Identifier **16792158**

Severity: Info

Message: ISDN Call ID <*ID_no.*>: Received Setup from <*phone_no.*> for <*phone_no.*>.

Meaning: The router received a setup request from an incoming phone number that is destined for the specified local phone number.

Entity Code/Event Code **58/95**

Decimal Identifier **16792159**

Severity: Info

Message: ISDN Call ID <*ID_no.*> Sending Setup to <*phone number*> from <*phone_no.*>.

Meaning: The router sent a setup request for an outgoing phone number from an incoming phone number.

Entity Code/Event Code **58/110**

Decimal Identifier **16792174**

Severity: Info

Message: ISDN Management Indication on DSL <*ID_no.*>.

Meaning: The router received a reply to the management request to the switch. This message applies only to North American switch types.

Entity Code/Event Code **58/111**

Decimal Identifier **16792175**

Severity: Info

Message: ISDN Management Request on DSL <*ID_no.*>.

Meaning: The router sent its Service Profile Identifier (SPID) for the interface to the network, verifying ISDN service. This message is applies only to North AMerican switch types.

Entity Code/Event Code **58/112**

Decimal Identifier **16792176**

Severity: Info

Meaning: Maximum connect attempts reached for dial on demand circuit <*circuit_no.*>. Autotermination mode enabled, Demand circuit <*circuit_no.*> terminated.

Meaning: The router made the maximum number of connection attempts for this demand circuit without success, so it terminated the circuit.

Entity Code/Event Code **58/113**

Decimal Identifier **16792177**

Severity: Info

Message: Maximum connect attempts reached for dial on demand circuit <*circuit_no.*>. Autotermination mode disabled, Demand circuit <*circuit_no.*> NOT terminated.

Meaning: The router made the maximum number of connection attempts for this demand circuit without success, however, the router kept the circuit up.

Entity Code/Event Code **58/114**

Decimal Identifier **16792178**

Severity: Info

Message: Number of Connection attempts for dial on demand circuit <*circuit_no.*> is <*no.*>. Retry delay set to <*no.*> seconds for demand circuit <*circuit_no.*>.

Meaning: Indicates the number of connection attempts and the delay between each attempt that you configured.

Entity Code/Event Code **58/115**

Decimal Identifier **16792179**

Severity: Info

Message: Retry delay for demand circuit <*circuit_no.*> expired, reattempting connection.

Meaning: The router has waited the specified amount of time before attempting to make another connection.

Entity Code/Event Code **58/116**

Decimal Identifier **16792180**

Severity: Info

Message: Reestablish dial on demand circuit <*circuit_no.*> after reset time expired.

Meaning: The router attempts to establish a demand circuit once the reset time has expired.

Entity Code/Event Code **58/117**

Decimal Identifier **16792181**

Severity: Info

Message: Take down time reached for dial on demand circuit <*circuit_no.*>.

Meaning: The router brought down the demand circuit because the take down time arrived.

Entity Code/Event Code **58/118**

Decimal Identifier **16792182**

Severity: Info

Message: Reset timer for dial on demand circuit <*circuit_no.*> modified to <*no.*> minutes.

Meaning: You have changed the reset timer.

Entity Code/Event Code **58/119**

Decimal Identifier **16792183**

Severity: Info

Message: Missing circuit options instance record for <*circuit_no.*>.

Meaning: There is no circuit options configuration for this circuit.

Entity Code/Event Code **58/121**

Decimal Identifier **16792185**

Severity: Info

Message: Connection attempt aborted as no free CES available for DSL <*ID_no.*>.

Meaning: The router has stopped trying to make a connection because there are no free logical lines available to make a call for the connection. The maximum number of calls are already up. That is what no free Connection Endpoint Suffixes (CES) means. This message applies only to BRI service.

Entity Code/Event Code **58/122**

Decimal Identifier **16792186**

Severity: Info

Message: lm_primary_cct_map - primary <*circuit_no.*> ceased - circuit state is <*state*>.

Meaning: Indicates the state of the primary circuit.

Entity Code/Event Code **58/123**

Decimal Identifier **16792187**

Severity: Info

Message: Circuit backup active for cct <*circuit_no.*>.

Meaning: There is a backup circuit active for the failed primary circuit.

Entity Code/Event Code **58/124**

Decimal Identifier **16792188**

Severity: Info

Message: Circuit backup <*circuit_no.*> lost election.

Meaning: The router did not select thus line manager to bring up the circuit.

Entity Code/Event Code **58/125**

Decimal Identifier **16792189**

Severity: Info

Message: delay 1 sec - SLAVE_TERMINATE PRIMARY.

Meaning: The router that you configured as the slave terminated the primary circuit.

Entity Code/Event Code **58/126**

Decimal Identifier **16792190**

Severity: Info

Message: State backup terminated for cct <*circuit_no.*>.

Meaning: The router terminated the backup circuit for the primary circuit.

Entity Code/Event Code **58/127**

Decimal Identifier **16792191**

Severity: Info

Message: lm_primary_cct_map - creation -circuit state is <*state*> for cct <*circuit_no.*>.

Meaning: The router has created a primary circuit.

Entity Code/Event Code **58/128**

Decimal Identifier **16792192**

Severity: Info

Message: ISDN Configured for switch type BRI 5ESS.

Meaning: You have set the Switch Type parameter to BRI 5ESS for this particular B channel. The router should therefore be connected to a 5ESS switch.

Entity Code/Event Code **58/129**

Decimal Identifier **16792193**

Severity: Info

Message: ISDN Configured for switch type BRI DMS100.

Meaning: You have set the Switch Type parameter to BRI DMS100 for this particular B channel. The router should therefore be connected to a DMS100 switch.

Entity Code/Event Code **58/130**

Decimal Identifier **16792194**

Severity: Info

Message: ISDN Configured for switch type BRI NI1.

Meaning: You have set the Switch Type parameter to BRI NI1 for this particular B channel. The router should therefore be connected to an NI1 switch.

Entity Code/Event Code **58/131**

Decimal Identifier **16792195**

Severity: Info

Message: ISDN Configured for switch type BRI TS013.

Meaning: You have set the Switch Type parameter to BRI TS013 for this particular B channel. The router should therefore be connected to a TS013 switch.

Entity Code/Event Code **58/132**

Decimal Identifier **16792196**

Severity: Info

Message: ISDN Configured for switch type PRI 5ESS.

Meaning: You have set the Switch Type parameter to PRI 5ESS for this particular B channel. The router should therefore be connected to a 5ESS switch.

Entity Code/Event Code **58/133**

Decimal Identifier **16792197**

Severity: Info

Message: ISDN Configured for switch type PRI DMS100.

Meaning: You have set the Switch Type parameter to PRI DMS100 for this particular B channel. The router should therefore be connected to a DMS100 switch.

Entity Code/Event Code **58/134**

Decimal Identifier **16792198**

Severity: Info

Message: ISDN Configured for switch type PRI NET5.

Meaning: You have set the Switch Type parameter to PRI NET5 for this particular B channel. The router should therefore be connected to a NET5 switch.

Entity Code/Event Code **58/135**

Decimal Identifier **16792199**

Severity: Info

Message: ISDN Connection Terminated for Call ID <*ID_no.*>, Channel B <*channel_no.*> on DSL <*ID_no.*>. Duration of call from <*no.*> to <*no.*> is <*no.*> mins <*no.*> secs.

Meaning: The router terminated the ISDN connection for the call. Indicates the duration of the call within the specified time interval.

Entity Code/Event Code **58/136**

Decimal Identifier **16792200**

Severity: Info

Message: Duration of connection for circuit <*circuit_no.*> is <*no.*> mins <*no.*> secs.

Meaning: Indicates the length of the call for the circuit.

Entity Code/Event Code **58/137**

Decimal Identifier **16792201**

Severity: Info

Message: ISDN PRI link layer down on dsl <*ID_no.*>.

Meaning: The ISDN PRI connection is down.

Entity Code/Event Code **58/138**

Decimal Identifier **16792202**

Severity: Info

Message: ISDN PRI link layer up on dsl <*ID_no.*>.

Meaning: The ISDN PRI connection is up.

Entity Code/Event Code **58/139**

Decimal Identifier **16792203**

Severity: Info

Message: Line Manager in Floating B mode

Meaning: The line manager is set for floating B mode.

Entity Code/Event Code **58/140**

Decimal Identifier **16792204**

Severity: Info

Message: ForcedDial attribute modified on Bandwidth on demand circuit <*circuit_no.*>.

Meaning: You changed the Forced Dial parameter for the bandwidth-on-demand circuit.

Entity Code/Event Code **58/141**

Decimal Identifier **16792205**

Severity: Info

Message: Bandwidth Line <*line_no.*> available for bandwidth on demand pool <*ID_no.*>.

Meaning: There is an available line for the bandwidth-on-demand pool.

Entity Code/Event Code **58/142**

Decimal Identifier **16792206**

Severity: Info

Message: Sbod gate present for circuit <*circuit_no.*>.

Meaning: There is a bandwidth-on-demand gate for the circuit, which indicates that this router is the monitor router. It checks for congestion on the primary line.

Entity Code/Event Code **58/143**

Decimal Identifier **16792207**

Severity: No line available for bandwidth on demand circuit <*circuit_no.*>.

Message: Info

Meaning: All lines in the bandwidth-on-demand pool are either in use or not available.

Entity Code/Event Code **58/144**

Decimal Identifier **16792208**

Severity: Info

Message: Bandwidth pool for circuit <*circuit_no.*> modified to bandwidth pool <*ID_no.*>.

Meaning: You changed the bandwidth pool ID for this circuit.

Entity Code/Event Code **58/147**

Decimal Identifier **16792211**

Severity: Info

Message: ISDN Configured for switch type PRI NTT.

Meaning: You have set the Switch Type parameter to PRI NTT for this slot on the router. The router should therefore be connected to an NTT switch.

Entity Code/Event Code **58/148**

Decimal Identifier **16792212**

Severity: Info

Message: ISDN Configured for switch type PRI KDD.

Meaning: You have set the Switch Type parameter to PRI KDD for this slot on the router. The router should therefore be connected to a KDD switch.

Entity Code/Event Code **58/149**

Decimal Identifier **16792213**

Severity: Info

Message: ISDN Configured for switch type PRI TS014.

Meaning: You have set the Switch Type parameter to PRI TS014 for this slot on the router. The router should therefore be connected to a TS014 switch.

Entity Code/Event Code **58/150**

Decimal Identifier **16792214**

Severity: Info

Message: ISDN Configured for switch type PRI 4ESS.

Meaning: You have set the Switch Type parameter to PRI 4ESS for this slot on the router. The router should therefore be connected to a 4ESS switch.

Entity Code/Event Code **58/151**

Decimal Identifier **16792215**

Severity: Info

Message: Demand circuit <*circuit_no.*> selected from group <*demand_circuit_group_no.*>, pool <*pool_id*> for line <*line_no.*>.

Meaning: The router activated a specific demand circuit from a demand circuit group for a particular dialup line.

Entity Code/Event Code **58/152**

Decimal Identifier **16792216**

Severity: Info

Message: No channel available for demand circuit group <*demand_circuit_group_no.*> in pool <*pool_id*> on line <*line_no.*>.

Meaning: You tried to select an ISDN B channel to be included in a demand circuit group, but no B channels in the specified line pool were available.

Entity Code/Event Code **58/153**

Decimal Identifier **16792217**

Severity: Info

Message: No available circuit in demand circuit group <*demand_circuit_group_no.*>, pool <*pool_id*> for line <*line_no.*>.

Meaning: There are no circuits in the specified demand circuit group that are available for transmission. All the circuits are in use.

Entity Code/Event Code **58/154**

Decimal Identifier **16792218**

Severity: Info

Message: Primary circuit <*circuit_no.*> is not active. If circuit is not up in <*no.*> minutes, circuit will be established in backup mode.

Meaning: The primary circuit is not up and running. If the primary circuit does not recover in the designated period of time, the router will bring up a backup circuit to carry the data.

Trace Events

Entity Code/Event Code **58/22**

Decimal Identifier **16792086**

Severity: Trace

Message: Switched Services MIB record modified for circuit <*circuit_no.*>.

Meaning: You have modified an attribute in the switched services MIB record for the specified circuit.

Entity Code/Event Code **58/25**

Decimal Identifier **16792089**

Severity: Trace

Message: Backup circuit on slave side activated — killing primary circuit <*circuit_no.*>.

Meaning: The backup line received an incoming call for a primary circuit that is still active on the slave side but is not active on the master side. The router is removing the primary circuit from service.

Entity Code/Event Code **58/26**

Decimal Identifier **16792090**

Severity: Trace

Message: Primary circuit <*circuit_no.*> in backup mode killed.

Meaning: The primary circuit has been restored; the router is terminating the use of the backup line.

Entity Code/Event Code **58/103**

Decimal Identifier **16792167**

Severity: Trace

Message: Circuit <*circuit_no.*> connected, data being dequeued.

Meaning: The circuit is active and the router is now sending data across it.

Entity Code/Event Code **58/104**

Decimal Identifier **16792168**

Severity: Trace

Message: Demand circuit collision on circuit <*circuit_no.*>, connection mode is Collision Master. Refusing incoming connection for circuit <*circuit_no.*>.

Meaning: Both routers attempted to establish a demand circuit at the same time. Since the connection mode is master, the outgoing call has precedence and the router terminates the incoming call.

Action: Ensure that the Connection Mode parameter of the destination router is set to Slave.

Entity Code/Event Code **58/105**

Decimal Identifier **16792169**

Severity: Trace

Message: Demand Circuit collision on circuit <*circuit_no.*> with connection mode set to Collision Slave. Terminating outgoing connection for circuit <*circuit_no.*>.

Meaning: Demand collision occurred. The connection mode for the router is slave, so the incoming call from the master has precedence.

Action: Disconnect the outgoing call.

Entity Code/Event Code **58/106**

Decimal Identifier **16792170**

Severity: Trace

Message: Unknown message type <*hex_value*> received.

Meaning: The router received an unidentified message from the ISDN switch.

Action: Contact the Bay Networks Technical Response Center for help in identifying the message.

Entity Code/Event Code **58/108**

Decimal Identifier **16792172**

Severity: Trace

Message: Setup indication on DSL <*ID_no.*> does not contain channel IE, ignoring.

Meaning: A setup message from the ISDN switch arrived without a channel information element (IE). This is a mandatory element for setups from the network to the user.

Action: Alert your ISDN service provider of this situation.

Entity Code/Event Code **58/109**

Decimal Identifier **16792173**

Severity: Trace

Message: No D channel found for DSL <*ID_no.*>.

Meaning: You have not configured a D channel for this B channel.

Action: Delete the ISDN line and add it again.

This table lists the most common cause codes and their meanings that you may encounter in the event messages. Note that the term *user* usually refers to the router. The term *equipment* or *sending entity* refers to either the router or the network switch. Interpret these terms to best fit your situation.

Cause Code	Meaning
1	*Unassigned number.* The calling user cannot reach the destination because the number, although in a valid format, is unassigned.
2	*No route to specified transit network.* The equipment sending this cause does not recognize the specified transit network for this call. Either the transit network does not exist, or it exists but does not serve this network.
6	*Channel unacceptable.* The sending entity cannot use the specified channel for use in this call.
16	*Normal call clearing.* The call is being cleared because one of the users involved in the call has requested that it be cleared.
17	*User busy.* The called user is unable to accept another call, although that user's equipment is compatible with the call.
18	*No user responding.* The user has not responded to a call establishment message with a connect indication within the prescribed period of time.
21	*Call rejected.* The equipment does not wish to accept this call, although it could have accepted the call because it is neither busy nor incompatible.
22	*Number changed.* The caller receives this message when the called party number has changed. The new called party number may be included in the diagnostic field of this message.
27	*Destination out of order.* The destination the caller indicated cannot be reached because the interface to the destination is not functioning properly.
28	*Invalid number format.* The called party number is not in a valid format or is incomplete.
29	*Facility rejected.* The network cannot provide a facility the user requests.
30	*Response to STATUS INQUIRY.* "Response to STATUS ENQUIRY" appears in a STATUS message that is a response to the receipt of a STATUS ENQUIRY message.
31	*Normal, unspecified.* Reports a normal event only when no other message in the normal class applies.
34	*No circuit/channel available.* There is no appropriate circuit/channel presently available to handle the call.

(continued)

Cause Code	Meaning
38	*Network out of order.* The network is not functioning correctly, and the condition is likely to last a relatively long period of time; if you immediately re-attempt the call, the call is not likely to succeed.
41	*Temporary failure.* The network is not functioning correctly, but the condition is unlikely to last a long period of time; you may wish to reattempt the call almost immediately.
42	*Switching equipment congestion.* The switching equipment is experiencing a high volume of traffic.
43	*Access information discarded.* The network could not deliver access information to the remote user as requested. Access information includes user-to-user information, low-layer compatibility, high-layer compatibility, or subaddress.
44	*Requested circuit/channel not available.* The other side of the interface cannot provide the circuit or channel the requesting entity indicated.
50	*Requested facility not subscribed.* You have not completed the necessary administrative arrangements with the supporting networks for the network to be able to supply the supplementary service you have requested.
58	*Bearer capability not presently available.* You have requested a bearer capability which is not available at this time.
63	*Service or option not available, unspecified.* Reports a service or option that is not available only when no other cause in the service-or-option-not-available class applies.
65	*Bearer capability not implemented.* The equipment sending this message does not support the bearer capability requested.
66	*Channel type not implemented.* The equipment sending this cause does not support the channel type requested.
69	*Requested facility not implemented.* The equipment sending this message does not support the supplementary service requested.
81	*Invalid call reference value.* The equipment sending this message has received a message with a call reference that is not currently in use on the user-network interface.
82	*Identified channel does not exist.* The equipment sending this message has received a request to use a channel not activated on the interface.
88	*Incompatible destination.* The equipment sending this message has received a request to establish a call which has compatibility attributes that it cannot accommodate.
95	*Invalid message, unspecified.* Reports an invalid message event only when no other invalid message class applies.
96	*Mandatory information element is missing.* The equipment sending this cause has received a message that is missing an information element essential to processing the message.

(continued)

Cause Code	Meaning
97	*Message type non-existent or not implemented.* The equipment sending this cause has received a message with a message type it does not recognize; the message type is either not defined or defined but not implemented.
98	*Message not compatible with call state or message, type non-existent or not implemented.* The equipment sending this cause has received a message, which is not a permissible message to receive while in the call state, or it received a STATUS message indicating an incompatible call state.
99	*Information element non-existent or not implemented.* The equipment sending this cause has received a message that includes information elements that it does not recognize; the information element identified is either not defined, or it is not implemented. However, the equipment can still process the message.
100	*Invalid information element contents.* The equipment sending this cause has received an information element that it has implemented; however, one or more fields in the information element is coded in such a way that it is invalid for the equipment sending this cause.
101	*Message not compatible with call state.* A message has been received that is incompatible with the call state.
102	*Recovery on timer expiry.* A procedure has been initiated by the expiry of a timer in association with Q.931 error handling procedures.
111	*Protocol error, unspecified.* Reports a protocol error event only when no other cause in the protocol error class applied.
127	*Interworking, unspecified.* There has been interworking with a network that does not provide causes for actions it takes; therefore, the precise cause for a message being sent cannot be ascertained.

Chapter 9
Event Messages (SYNC through XNS)

The sections that follow list Bay Networks event messages in alphabetical order by entity. This chapter covers entities from SYNC through XNS. Within each entity, this chapter lists event messages by severity and event code. Each event message provides a meaning, along with a recommended response if one is required.

SYNC Events

The synchronous driver service, which serves the DSDE1, DSDE2, QSYNC, and HDLC directories and is referred to as the SYNC entity, issues the following event messages. The entity code assigned to SYNC events is 20.

Fault Event

Entity Code/Event Code	**20/1**
Decimal Identifier	**16782337**
Severity:	Fault
Message:	System error, service attempting restart.
Meaning:	The driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.
Action:	Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the driver fails to restart.

Warning Events

Entity Code/Event Code **20/2**

Decimal Identifier **16782338**

Severity: Warning

Message: Connector COM <*connector_no.*> out of range.

Meaning: The synchronous connector COM <*connector_no.*> is invalid and will be ignored.

Action: Modify the configuration file to accurately describe the link module described in the specified slot.

Entity Code/Event Code **20/3**

Decimal Identifier **16782339**

Severity: Warning

Message: Connector COM <*connector_no.*> transmitter timeout.

Meaning: The synchronous connector COM <*connector_no.*> could not transmit a BofL ("Breath of Life") frame within the BofL interval.

Action: Check for the presence of a valid external clock from the external equipment or check the configuration.

Entity Code/Event Code **20/4**

Decimal Identifier **16782340**

Severity: Warning

Message: Connector COM <*connector_no.*> receiver timeout.

Meaning: The synchronous connector COM <*connector_no.*> did not receive a BofL frame within the BofL interval.

Action: Verify cable integrity. Confirm that the remote end is configured for BofL transmission.

Entity Code/Event Code **20/5**

Decimal Identifier **16782341**

Severity: Warning

Message: Connector COM <*connector_no.*> connect attempts exceeded.

Meaning: A sequence of retransmission attempts disabled the specified synchronous connection, previously providing LLC2 service, because the router or BNX platform was unable to obtain positive acknowledgment of an outstanding frame. The number of such attempts is determined by the N2, T1, and Connect Retries parameters.

Action: Verify point-to-point connectivity.

Entity Code/Event Code **20/6**

Decimal Identifier **16782342**

Severity: Warning

Message: Connector COM <*connector_no.*> not verified with diagnostic.

Meaning: Power-up diagnostics aborted were not run on the synchronous connection COM <*connector_no.*>.

Action: Rerun power-up diagnostics by issuing the Technician Interface **diags** command to the slot in question if you wish to verify COM <*connector_no.*> integrity.

Entity Code/Event Code **20/8**

Decimal Identifier **16782344**

Severity: Warning (BNX only)

Message: Connector COM <*connector_no.*> disabled.

Meaning: The synchronous connection COM <*connector_no.*> is disabled.

Entity Code/Event Code **20/9**

Decimal Identifier **16782345**

Severity: Warning (BNX only)

Message: Connector COM <*connector_no.*> enabled.

Meaning: The synchronous connection COM <*connector_no.*> is enabled.

Entity Code/Event Code **20/38**

Decimal Identifier **16782374**

Severity: Warning

Message: Connector COM <*connector_no.*>: can't run BOFL with chosen WAN protocol.

Meaning: The BofL is incorrectly configured while a WAN protocol is configured.

Action: Disable BofL or change the selected WAN protocol to Standard.

Entity Code/Event Code **20/39**

Decimal Identifier **16782375**

Severity: Warning

Message: Connector COM <*connector_no.*>: service must be LLC2 with chosen WAN protocol.

Meaning: The WAN protocol enabled on the specified synchronous connection requires LLC2 to also be enabled, and it is not.

Action: Enable LLC2 on this connector.

Entity Code/Event Code **20/40**

Decimal Identifier **16782376**

Severity: Warning

Message: Connector COM <*connector_no.*>: clock speed does not match other ports.

Meaning: The internal clock speed value on the specified synchronous connection does not match the clock speed value of the other ports configured to clock internally.

Action: Reconfigure the clock speed value so that it matches on every port.

Entity Code/Event Code **20/44**

Decimal Identifier **16782380**

Severity: Warning

Message: Connector COM <*connector_no.*>: Data Comms Equipment (DCE) unavailable (lost DSR)

Meaning: The Data Set Ready signal on the specified synchronous connection has been lost.

Action: Check your cables.

Entity Code/Event Code **20/45**

Decimal Identifier **16782381**

Severity: Warning

Message: Connector COM <*connector_no.*>: Configured MTU of <*value_1*> is too large, use <*value_2*> or smaller

Meaning: The MTU on the specified synchronous connection is too large.

Action: Reconfigure the MTU for the specified synchronous connector so that it is equal to or less than the value specified by <*value_2*>.

Entity Code/Event Code **20/46**

Decimal Identifier **16782382**

Severity: Warning

Message: Connector COM <*connector_no.*>, gate id 0x<*no.*> could not get a buffer.

Meaning: This synchronous interface did not come up, because a buffer was not available to send a message.

Entity Code/Event Code **20/47**

Decimal Identifier **16782383**

Severity: Warning

Message: Connector COM <*connector_no.*>, gate id 0x<*no.*>, encountered an RPC time-out.

Meaning: This synchronous interface did not come up, because an RPC timeout occurred while sending a message to the module driver.

Entity Code/Event Code **20/48**

Decimal Identifier **16782384**

Severity: Warning

Message: Connector COM<*connector_no.*> aborting init. No Net Module Present in Module location <*module_no.*>.

Meaning: Either the network module in this location is missing or the configuration is incorrect.

Action: Insert the missing network module or correct the configuration.

Entity Code/Event Code **20/49**

Decimal Identifier **16782385**

Severity: Warning

Message: Connector COM <*connector_no.*> aborting init. Wrong Net Module type in Module location <*no.*>.

Meaning: Either the type of network module in this location or the configuration is incorrect.

Action: Insert the correct type of network module or correct the configuration.

Entity Code/Event Code **20/50**

Decimal Identifier **16782386**

Severity: Warning

Message: Connector COM <*connector_no.*> aborting init. Net Module<*no.*>diag failed (status=0x<*status_code*>).

Meaning: The network module identified by Net Module<*no.*> failed. The status code indicates the type of failure.

Action: Replace the network module as soon as possible. If you do not have a spare network module now, but you have a spare connector on the existing network module

- Switch the cable associated with the failed circuit to the spare connector.
- Configure a new, identical circuit.
- Delete the failed circuit from the configuration.

Using the spare connector is a temporary measure. When you return the network module to Bay Networks, be sure to report the <*status_code*> and the connector associated with the failure.

Entity Code/Event Code **20/54**

Decimal Identifier **16782390**

Severity: Warning

Message: Sync Module <*module_no.*>: co-processor exception <*code_tag*>:

vector	<*vector*> faulting address - <*hex_address*>
pc (current)	<*pc*>sr - <*sr*>
stack pointer	<*stack_pointer*>

Meaning: The coprocessor on the synchronous module has taken an exception. <*vector*> indicates which type of exception occurred. <*faulting address*> indicates which address caused the exception. <*pc*> is the PC at which the coprocessor was executing code when the exception occurred. <*sr*> is the value of the SR when the exception occurred. <*stack pointer*> points at the exception frame pushed on the coprocessor's stack.

If the message indicates “SRAM,” then the coprocessor is executing code from the synchronous module's SRAM, and that code was downloaded from the *boot.exe* image. If the message indicates “PROM (rev. x),” then the coprocessor is executing code from the synchronous module's PROM, and it is revision x. If the rev is not listed, then the failure occurred before the PROM revision was extracted from the PROM.

Action: All synchronous lines on this module will be reset and will be restarted by GAME. This error may indicate a hardware problem with the synchronous module. The board should be replaced if the error persists. Software may be to blame, however, if the new board exhibits the same problem.

Entity Code/Event Code **20/55**

Decimal Identifier **16782391**

Severity: Warning

Message: Sync Module <*module_no.*>: co-processor exception <*code_tag*>:

vector	<*vector*> faulting pc - <*faulting_pc*>
pc (current)	<*pc*> sr - <*sr*>
stack pointer	<*stack_pointer*>

Meaning: The coprocessor on the synchronous module has taken an exception. <*vector*> indicates which type of exception occurred. <*faulting pc*> indicates the address of the faulted instruction. <*pc*> is the return PC to which an RTE would return. <*sr*> is the value of the SR when the exception occurred. <*stack pointer*> points at the exception frame pushed on the coprocessor's stack.

If the message indicates “SRAM,” then the coprocessor is executing code from the synchronous module's SRAM, and that code was downloaded from the *boot.exe* image. If the message indicates “PROM (rev. x),” then the coprocessor is executing code from the synchronous module's PROM, and it is revision x. If the rev is not listed, then the failure occurred before the PROM revision was extracted from the PROM.

Action: All synchronous lines on this module will be reset and will be restarted by GAME. This error may indicate a hardware problem with the synchronous module. The board should be replaced if the error persists. Software may be to blame, however, if the new board exhibits the same problem.

Entity Code/Event Code **20/56**

Decimal Identifier **16782392**

Severity: Warning

Message: Sync Module <*module_no.*>: co-processor exception <*code_tag*>:

vector	<*vector*> faulting address - undefined
pc (current)	<*pc*> sr - <*sr*>
stack pointer	<*stack_pointer*>

Meaning: The coprocessor on a synchronous module has taken an exception. <*vector*> indicates which type of exception occurred. <*faulting address*> is undefined for this type of exception. <*pc*> is the PC at which the coprocessor was executing code when the exception occurred. <*sr*> is the value of the SR when the exception occurred. <*stack pointer*> points at the exception frame pushed on the coprocessor's stack.

If the message indicates “SRAM,” then the coprocessor is executing code from synchronous module's SRAM, and that code was downloaded from the *boot.exe* image. If the message indicates “PROM (rev. x),” then the coprocessor is executing code from the synchronous module's PROM, and it is revision x. If the rev. is not listed, then the failure occurred before the PROM revision was extracted from the PROM.

Action: All synchronous lines on this module will be reset and will be restarted by GAME. This error may indicate a hardware problem with the synchronous module. The board should be replaced if the error persists. Software may be to blame, however, if the new board exhibits the same problem.

Entity Code/Event Code **20/57**

Decimal Identifier **16782393**

Severity: Warning

Message: Sync Module <*module_no.*>: co-processor failed <*code_tag*>:Line Driver for COM <*no.*> timed out initializing command list

Meaning: The line driver is trying to initialize a command list on the synchronous module, but the coprocessor on the net module has not cleared the command list header, indicating that the command list is available for initialization. There are times during which a list may not be available for initialization, but, in this case, the time has lasted longer than it should. This indicates that the coprocessor is not functioning properly. If the message indicates "SRAM," then the coprocessor is executing code from the synchronous module's SRAM, and that code was downloaded from the boot.exe image. If the message indicates "PROM (rev. x)," then the coprocessor is executing code from the synchronous module's PROM, and it is revision x. If the rev is not listed, then the failure occurred before the PROM revision was extracted from the PROM.

Action: You must reboot this slot. If the error persists, you should replace the synchronous module.

Entity Code/Event Code **20/58**

Decimal Identifier **16782394**

Severity: Warning

Message: Sync Module <*module_no.*>: co-processor failed <*code_tag*>: Line Driver for COM <*no.*> timed out waiting for status of <*display_string*> command

Meaning: The line driver issued a command to the coprocessor on the synchronous module. The coprocessor should have processed the command and returned a status (either pass or fail), but a timeout has occurred. If the message indicates "SRAM," then the coprocessor is executing code from the synchronous module's SRAM, and that code was downloaded from the *boot.exe* image. If the message indicates "PROM (rev. x)," then the coprocessor is executing code from the synchronous module's PROM, and it is revision x. If the rev is not listed, then the failure occurred before the PROM revision was extracted from the PROM.

Action: You must reboot this slot. If the error persists, you should replace the synchronous module.

Entity Code/Event Code **20/59**

Decimal Identifier **16782395**

Severity: Warning

Message: Sync Module <*module_no.*>, COM <*no.*> command <*code_tag*> failed with status = <*status_value*>

Meaning: The line driver on an ASN issued a command to the coprocessor on the synchronous module. That command has returned a status other than Completed OK.

Action: The actions will be dependent on the status and the command.

Entity Code/Event Code **20/60**

Decimal Identifier **16782396**

Severity: Warning

Message: Sync Module <*module_no.*> coprocessor failed (<*code_tag*>): Coprocessor hung during its self-initialization.

Meaning: Following a module reset or an **execute** command, the coprocessor hung before finishing its self-initialization.

Action: Reset the board. If the error persists, contact the Bay Networks Technical Response Center.

Entity Code/Event Code **20/61**

Decimal Identifier **16782397**

Severity: Warning

Message: Connector <*connector_no.*> remote loopback detected.

Meaning: A comparison of the destination MAC address in the BOFL packet against the module MAC address indicated a remote loopback condition. The line state sets to SYNC_STATE_REMOTELOOP and the line driver restarts. The line driver remains in a down state until the loopback condition clears.

Entity Code/Event Code **20/62**

Decimal Identifier **16782398**

Severity: Warning

Message: Connector COM <*connector_no.*> remote loopback cleared.

Meaning: Following a line driver restart, the connector COM <*connector_no.*> received a BOFL packet with a correct destination MAC address. The line state sets to SYNC_STATE_UP.

Entity Code/Event Code **20/63**

Decimal Identifier **16782399**

Severity: Warning

Message: Sync Module <*module_no.*>: reset gate was killed prematurely with a status of <*status*>.

Meaning: A special gate performs the sync module reset and initialization. To do so, this gate normally kills itself. In this case, the gate shut down prematurely.

Action: The status <*status*> may contain clues as to where the gate was in the process when it shut down. Record the status and contact the Bay Networks Technical Response Center for instructions.

Entity Code/Event Code **20/71**

Decimal Identifier **16782407**

Severity: Warning

Message: Invalid connector COM <*connector_no.*> specified for B Channel.

Meaning: An invalid configuration record exists for this ISDN BRI B channel. Specifically, the connector number specified for this B channel is invalid. The B channel driver goes dormant.

Action: Reconfigure this ISDN BRI B channel. This warning should never appear if the configuration is created using Site Manager.

Entity Code/Event Code **20/72**

Decimal Identifier **16782408**

Severity: Warning

Message: Cannot configure SYNC COM <*connector_no.*> and ISDN together.

Meaning: This message is AN specific. Due to a hardware limitation in the AN, configuring SYNC COM1 and any ISDN B channel together produces an invalid configuration record. The SYNC driver does not proceed until the disruptive ISDN configuration is deleted.

Action: Either delete the disruptive ISDN interface from this configuration or delete the configuration for this SYNC port. This warning should not appear if the configuration is created using Site Manager.

Entity Code/Event Code **20/73**

Decimal Identifier **16782409**

Severity: Warning

Message: Cannot configure ISDN and SYNC COM <*connector_no.*> together.

Meaning: This message is AN specific. Due to a hardware limitation in the AN, configuring SYNC COM1 and any ISDN B channel together produces an invalid configuration record. The ISDN B channel driver does not proceed until the disruptive SYNC configuration is deleted.

Action: Either delete the disruptive SYNC port from this config or delete the entire ISDN interface from this configuration. This warning should not appear if the configuration is created using Site Manager.

Entity Code/Event Code **20/77**

Decimal Identifier **16782413**

Severity: Warning

Message: Invalid connector COM <*connector_no.*> specified for SYNC port.

Meaning: An invalid configuration record exists for this SYNC port. Specifically, the connector number specified for this SYNC port is invalid. The SYNC driver goes dormant.

Action: Reconfigure the SYNC port. This warning should not appear if the configuration is created using Site Manager.

Entity Code/Event Code **20/81**

Decimal Identifier **16782417**

Severity: Warning

Message: Connector COM<*connector_no.*>: Remote end reports not receiving frames.

Meaning: The remote end has reported through BOFL that it is not receiving frames. This could be due to a disconnect in the transmission cable from this router or BNX platform to the remote device (while the transmission cable from the remote device to this router or BNX platform is still intact).

Action: Check all connections between this router or BNX platform and the remote device.

Info Events

Entity Code/Event Code **20/7**

Decimal Identifier **16782343**

Severity: Info

Message: Service initializing.

Meaning: The synchronous driver is initializing.

Entity Code/Event Code **20/8**

Decimal Identifier **16782344**

Severity: Info (Routers only)

Message: Connector COM <*connector_no.*> disabled.

Meaning: The synchronous connection COM <*connector_no.*> is disabled.

Entity Code/Event Code **20/9**

Decimal Identifier **16782345**

Severity: Info (Routers only)

Message: Connector COM <*connector_no.*> enabled.

Meaning: The synchronous connection COM <*connector_no.*> is enabled.

Entity Code/Event Code **20/10**

Decimal Identifier **16782346**

Severity: Info

Message: Connector COM <*connector_no.*> configuration deleted.

Meaning: The record for the specified synchronous connection has been deleted from the configuration.

Entity Code/Event Code **20/11**

Decimal Identifier **16782347**

Severity: Info

Message: Connector COM <*connector_no.*> providing LLC1 service.

Meaning: The specified synchronous connection is enabled and providing LLC1 service.

Entity Code/Event Code **20/12**
Decimal Identifier **16782348**
Severity: Info
Message: Connector COM <*connector_no.*> providing LLC2 service.
Meaning: The specified synchronous connection is enabled and providing LLC2 service.

Entity Code/Event Code **20/13**
Decimal Identifier **16782349**
Severity: Info
Message: Connector COM <*connector_no.*> LLC1 service withdrawn.
Meaning: The specified synchronous connection is not providing LLC1 service.

Entity Code/Event Code **20/14**
Decimal Identifier **16782350**
Severity: Info
Message: Connector COM <*connector_no.*> LLC2 service withdrawn.
Meaning: The specified synchronous connection is not providing LLC2 service.

Entity Code/Event Code **20/15**
Decimal Identifier **16782351**
Severity: Info
Message: Connector COM <*connector_no.*>: KG84A processing enabled.
Meaning: The specified synchronous connection provides KG84A service.

Entity Code/Event Code **20/41**
Decimal Identifier **16782377**
Severity: Info
Message: Connector COM <*connector_no.*> KG84A local resynchronization requested
Meaning: The local router detected an error and requested a resynchronization.

Entity Code/Event Code **20/42**

Decimal Identifier **16782378**

Severity: Info

Message: Connector COM <*connector_no.*> KG84A remote resynchronization detected

Meaning: The local router detected a resynchronization initiated by the remote router.

Entity Code/Event Code **20/43**

Decimal Identifier **16782379**

Severity: Info

Message: Connector COM <*connector_no.*> KG84A resynchronization completed successfully

Meaning: The previous resynchronization was successful.

Entity Code/Event Code **20/64**

Decimal Identifier **16782400**

Severity: Info

Message: ISDN BRI <*connector_no.*> B <*channel_no.*> Channel disabled.

Meaning: The ISDN BRI B channel driver is disabled, but the driver is still loaded in memory.

Entity Code/Event Code **20/65**

Decimal Identifier **16782401**

Severity: Info

Message: ISDN BRI <*connector_no.*> B <*channel_no.*> Channel enabled.

Meaning: The ISDN BRI channel driver is enabled. ISDN functionality passed diagnostics successfully.

Entity Code/Event Code **20/66**

Decimal Identifier **16782402**

Severity: Info

Message: ISDN BRI <*connector_no.*> B <*channel_no.*> Channel configuration deleted.

Meaning: The ISDN BRI B channel driver is deleted and the driver no longer resides in memory.

Entity Code/Event Code **20/67**

Decimal Identifier **16782403**

Severity: Info

Message: ISDN BRI <*connector_no.*>, DSL <*digital subscriber loop_no.*>, B <*channel_no.*> Channel providing LLC1 service.

Meaning: ISDN service is now available on this B channel. Data can now travel on this B channel.

Entity Code/Event Code **20/68**

Decimal Identifier **16782404**

Severity: Info

Message: ISDN BRI <*connector_no.*> B <*channel_no.*> Channel LLC1 service withdrawn.

Meaning: ISDN service is no longer available on this B channel.

SYS Events

The System Record service, referred to as the SYS entity, issues the following event messages. The entity code assigned to SYS events is 60.

Fault Event

Entity Code/Event Code **60/1**

Decimal Identifier **16792577**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The process that maintains the system MIB record crashed.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the system fails to restart.

Warning Event

Entity Code/Event Code **60/2**

Decimal Identifier **16792578**

Severity: Warning

Message: No system record configured, creating one.

Meaning: The router software did not configure a system record. It is configuring one now.

Info Event

Entity Code/Event Code **60/3**

Decimal Identifier **16792579**

Severity: Info

Message: Service initializing.

Meaning: The process that maintains the system record is initializing.

SYSLOG Events

The System Log service, referred to as the SYSL entity, issues the following event messages. The entity code assigned to SYSLOG events is 89.

Fault Event

Entity Code/Event Code **89/1**

Decimal Identifier **16800001**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The router experienced a system error and is restarting automatically. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call your Bay Networks Technical Support Center if the router fails to restart.

Info Events

Entity Code/Event Code **89/2**

Decimal Identifier **16800002**

Severity: Info

Message: Time sequencing gate initializing.

Meaning: The time sequencing feature is initializing.

Entity Code/Event Code **89/3**

Decimal Identifier **16800003**

Severity: Info

Message: Log poller/filter gate initializing.

Meaning: The log polling and filtering process is initializing.

Entity Code/Event Code **89/4**

Decimal Identifier **16800004**

Severity: Info

Message: Syslog subsystem disabled.

Meaning: Syslog stopped polling for, filtering, and sequencing event messages logged on the router. Syslog also stopped forwarding those messages to remote hosts identified in the Syslog host table.

Entity Code/Event Code **89/5**

Decimal Identifier **16800005**

Severity: Info

Message: Syslog subsystem enabled.

Meaning: Syslog began polling for, filtering, and sequencing (if you enabled sequencing) event messages logged on the router. Syslog also began forwarding to remote hosts identified in the Syslog host table event messages selected by means of filtering.

T1 Events

The T1 driver service, referred to as the T1 entity, issues the following event messages. The entity code assigned to T1 events is 34.

Fault Event

Entity Code/Event Code **34/1**

Decimal Identifier **16785921**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The T1 driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the T1 driver fails to restart.

Warning Events

Entity Code/Event Code **34/2**

Decimal Identifier **16785922**

Severity: Warning

Message: Connector DS_<*connector_no.*> out of range.

Meaning: The T1 connector identified by <*connector_no.*> is invalid (a value other than 1 or 2) and will be ignored.

Action: Modify the T1 configuration to reflect a connector number of 1 or 2.

Note: *This message should not be seen if you have configured T1 using Site Manager, because Site Manager guards against invalid connector identification.*

Entity Code/Event Code **34/3**

Decimal Identifier **16785923**

Severity: Warning

Message: Connector DS_<*connector_no.*> diagnostic failed.

Meaning: The T1 connector identified by <*connector_no.*> failed powerup diagnostics and has been disabled.

Action: Verify the integrity of the T1 link module.

Entity Code/Event Code **34/4**

Decimal Identifier **16785924**

Severity: Warning

Message: Connector DS_<*connector_no.*> not verified with diagnostic.

Meaning: The T1 connector identified by <*connector_no.*> has been placed in service. However, powerup diagnostics were aborted/terminated prior to verifying the connection.

Action: Rerun diagnostics to verify the integrity of the T1 link module.

Entity Code/Event Code **34/5**

Decimal Identifier **16785925**

Severity: Warning

Message: Connector DS_<*connector_no.*> unknown state variable value.

Meaning: The T1 line driver state MIB object (wfT1state) contained an invalid entry. Valid entries are as follows:

1	UP
3	INITializing
4	NOTPRESENT

T1 will restart the connection.

Entity Code/Event Code **34/6**

Decimal Identifier **16785926**

Severity: Warning

Message: Connector DS_<*connector_no.*> fix configuration.

Meaning: T1 detected an error or inconsistency within the configuration record for the connector identified by <*connector_no.*>.

Action: Verify the configuration record.

Info Events

Entity Code/Event Code **34/7**

Decimal Identifier **16785927**

Severity: Info

Message: Connector DS_<*connector_no.*> instance record deleted.

Meaning: The T1 record for the connector identified by <*connector_no.*> has been deleted from the configuration.

Entity Code/Event Code **34/8**

Decimal Identifier **16785928**

Severity: Info

Message: Connector DS_<*connector_no.*> line disabled.

Meaning: T1 service has been disabled on the connector identified by <*connector_no.*>.

Entity Code/Event Code **34/9**

Decimal Identifier **16785929**

Severity: Info

Message: Connector DS_<*connector_no.*> enabled.

Meaning: T1 service has been enabled on the connector identified by <*connector_no.*>.

Entity Code/Event Code **34/10**

Decimal Identifier **16785930**

Severity: Info

Message: Connector DS_<*connector_no.*> providing framer service.

Meaning: T1 is enabled and providing service on the connector identified by <*connector_no.*>.

Entity Code/Event Code **34/11**

Decimal Identifier **16785931**

Severity: Info

Message: Connector DS_<*connector_no.*> red alarm received.

Meaning: T1 received a Red Alarm on the connector identified by <*connector_no.*>. Receipt of a Red Alarm indicates a remotely detected failure. A Red Alarm generally indicates that the network/CPE equipment has detected an out-of-frame condition (an error in the framing bits).

Entity Code/Event Code **34/12**

Decimal Identifier **16785932**

Severity: Info

Message: Connector DS_<*connector_no.*> remote blue alarm transmitted.

Meaning: T1 lost the DS-1 signal from the CPE for more than 150 milliseconds (msec), and has issued a Blue Alarm (an “all 1’s” signal).

Entity Code/Event Code **34/13**

Decimal Identifier **16785933**

Severity: Info

Message: Connector DS_<*connector_no.*> yellow alarm received.

Meaning: T1 received a Yellow Alarm across the connector identified by <*connector_no.*>. Receipt of a Yellow Alarm indicates a remotely detected failure.

Entity Code/Event Code **34/14**

Decimal Identifier **16785934**

Severity: Info

Message: Connector DS_<*connector_no.*> yellow alarm transmitted.

Meaning: T1 transmitted a Yellow Alarm across the connector identified by <*connector_no.*>. A Yellow Alarm indicates that T1 has effectively lost the incoming signal across the specified connector.

Entity Code/Event Code **34/15**

Decimal Identifier **16785935**

Severity: Info

Message: Connector DS_<*connector_no.*> red recovery alarm cleared.

Meaning: The remotely detected failure that led to the issuance of a Red Alarm has been cleared.

Entity Code/Event Code **34/16**

Decimal Identifier **16785936**

Severity: Info

Message: Connector DS_<*connector_no.*> remote blue alarm cleared.

Meaning: The condition(s) that lead to the issuing of a Blue Alarm (indicating loss of signal) has been cleared.

Entity Code/Event Code **34/17**

Decimal Identifier **16785937**

Severity: Info

Message: Connector DS_<*connector_no.*> remote yellow alarm removed.

Meaning: The remote end, after issuing a Yellow Alarm, regained the incoming signal.

Entity Code/Event Code **34/18**

Decimal Identifier **16785938**

Severity: Info

Message: Connector DS_<*connector_no.*> clock being recovered from port 2.

Meaning: The T1 connector identified by <*connector_no.*> is recovering the master clock via Port 2.

Entity Code/Event Code **34/19**

Decimal Identifier **16785939**

Severity: Info

Message: Connector DS_<*connector_no.*> clock being recovered from port 1.

Meaning: The T1 connector identified by <*connector_no.*> is recovering the master clock via Port 1.

Entity Code/Event Code **34/20**

Decimal Identifier **16785940**

Severity: Info

Message: Connector DS_<*connector_no.*> carrier loss.

Meaning: T1 has detected a loss of the signal carrier across the connector identified by <*connector_no.*>.

Entity Code/Event Code **34/21**

Decimal Identifier **16785941**

Severity: Info

Message: Service initializing.

Meaning: T1 service is initializing.

TBL Events

The Routing Table service, referred to as the TBL entity, issues the following event message. The entity code assigned to TBL events is 14.

Fault Event

Entity Code/Event Code **14/1**

Decimal Identifier **16780801**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Routing Table service experienced a fatal error and the router is restarting. The router will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the router fails to restart.

TCP Events

The Transmission Control Protocol service, referred to as the TCP entity, issues the following event messages. The entity code assigned to TCP events is 47.

Refer to the tables located at the end of this section for information on TCP error codes and TCP abort reason codes.

Fault Event

Entity Code/Event Code **47/1**

Decimal Identifier **16789249**

Severity: Fault

Message: System error, service attempting restart.

Meaning: TCP experienced a fatal error and is attempting to restart. TCP will attempt to restart five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if TCP fails to restart.

Info Events

Entity Code/Event Code **47/2**
Decimal Identifier **16789250**
Severity: Info
Message: TCP Protocol Initializing
Meaning: TCP is initializing.

Entity Code/Event Code **47/3**
Decimal Identifier **16789251**
Severity: Info
Message: TCP Protocol terminating
Meaning: TCP is terminating.

Entity Code/Event Code **47/4**
Decimal Identifier **16789252**
Severity: Info
Message: TCP configuration record — Disabled.
Meaning: IP is not running or you disabled TCP.

Entity Code/Event Code **47/5**
Decimal Identifier **16789253**
Severity: Info
Message: TCP is Up.
Meaning: TCP is running.

Entity Code/Event Code **47/6**

Decimal Identifier **16789254**

Severity: Info

Message: TCP Opened: <*local_IP_address*><*local_port*> — <*remote_IP_address*><*remote_port*> TCB: <*connection_ID*>

Meaning: TCP opened a connection.

<*local_IP_address*><*local_port*> specifies the local IP address and port for the connection; <*remote_IP_address*> <*remote_port*> specifies the remote IP address and port for the connection; <*connection_ID*> is the TCP connection's identification, which Bay Networks uses for trouble-shooting.

Entity Code/Event Code **47/7**

Decimal Identifier **16789255**

Severity: Info

Message: TCP Error: <*error_code*> Opening <*local_IP_address*> <*local_port*> — <*remote_IP_address*><*remote_port*>TCB: <*connection_ID*>

Meaning: TCP detected an error. Error codes and meanings are listed in the following table.

<*local_IP_address*> <*local_port*> specifies the local IP address and port for the connection; <*remote_IP_address*> <*remote_port*> specifies the remote IP address and port for the connection; <*connection_ID*> is the TCP connection's identification, used by Bay Networks for trouble-shooting.

Error Code	Definition
1	A MIB variable that must be enabled in order for the connection to function has been disabled. Check the configuration of the TCP MIB variables.
2	Internal system error. Call the Bay Networks Technical Response Center for assistance.
3	Internal system error. Call the Bay Networks Technical Response Center for assistance.
4	Internal system error. Call the Bay Networks Technical Response Center for assistance.
5	Internal system error. Call the Bay Networks Technical Response Center for assistance.
6	Internal system error. Call the Bay Networks Technical Response Center for assistance.

(continued)

Error Code	Definition
7	Internal system error. Call the Bay Networks Technical Response Center for assistance.
8	Internal system error. Call the Bay Networks Technical Response Center for assistance.
9	Indicates a (possibly) transient condition that may persist if the processing load in the router or BNX is too heavy.
10	The remote TCP rejected the connection request. Check the configuration of the local and remote TCP.
11	No response was received to the local TCP's connection request. Check the configuration of the local and remote TCP.
12	Internal system error. Call the Bay Networks Technical Response Center for assistance.
13	Indicates a (possibly) transient condition that may persist if the processing load in the router or BNX is too heavy.
14	Internal system error. Call the Bay Networks Technical Response Center for assistance.
15	Internal system error. Call the Bay Networks Technical Response Center for assistance.
16	Internal system error. Call the Bay Networks Technical Response Center for assistance.
17	Internal system error. Call the Bay Networks Technical Response Center for assistance.
18	Internal system error. Call the Bay Networks Technical Response Center for assistance.
19	TCP received some data from the remote TCP that is out of order. This is not a fatal error. It indicates that some data has been lost or delayed, but TCP continues to operate.
20	Internal system error. Call the Bay Networks Technical Response Center for assistance.
21	TCP could not allocate a buffer. Indicates a possible transient condition that may persist if the processing load in the router or BNX is too heavy.
22	TCP is not configured correctly. Check the configuration of TCP in the MIB.
23	Internal system error. Call the Bay Networks Technical Response Center for assistance.

(continued)

Error Code	Definition
24	The TCP connection is in the wrong state for the given connection. This is a transient condition that may persist if TCP is not configured correctly.
25	Internal system error. Call the Bay Networks Technical Response Center for assistance.
26	TCP protocol error. Check local and remote TCP configurations.
27	Internal system error. Call the Bay Networks Technical Response Center for assistance.
28	IP is not available. This message may occur if IP is in the process of coming up. If it persists, check the configuration of IP.
29	The specified IP interface is not available. This message may occur if IP is in the process of coming up. If it persists, check the configuration of IP.

Entity Code/Event Code **47/8**

Decimal Identifier **16789256**

Severity: Info

Message: TCP Closing <*local_IP_address*><*local_port*> — <*remote_IP_address*><*remote_port*> TCB: <*connection_ID*>

Meaning: The TCP connection is closing. <*local_IP_address*> <*local_port*> specifies the local IP address and port for the connection; <*remote_IP_address*> <*remote_port*> specifies the remote IP address and port for the connection; <*connection_ID*> is the TCP connection's identification, used by Bay Networks for trouble-shooting.

Entity Code/Event Code **47/9**

Decimal Identifier **16789257**

Severity: Info

Message: TCP: <*function_code*> aborting <*local_IP_address*> <*local_port*> — <*remote_IP_address*><*remote_port*>

Meaning: TCP is aborting. Bay Networks uses the <*function code*> for trouble-shooting. <*local_IP_address*> <*local_port*> specifies the local IP address and port for the connection; <*remote_IP_address*> <*remote_port*> specifies the remote IP address and port for the connection; <*connection_ID*> is the TCP connection's identification, which Bay Networks uses for trouble-shooting.

Entity Code/Event Code **47/10**

Decimal Identifier **16789258**

Severity: Info

Message: TCB: <*connection_ID*> state: <*connection_state*> reason <*reason_code*>

Meaning: TCP is aborting. The <*connection_state*> specifies the status of the TCP connection. Reason codes and definitions are listed in the following table.

Reason Code	Definition
100	Abort is per client request.
101	Internal system error. Call the Bay Networks Technical Response Center for assistance.
102	All of TCP, or the client's specific connection, was deleted from the MIB via network management.
103	Remote TCP aborted the connection by sending a RESET segment. Check the configuration of the local and remote TCP.
104	Internal system error. Call the Bay Networks Technical Response Center for assistance.
105	The IP interface is disabled. Check the configuration of IP.
106	TCP could not allocate a buffer. The processing load on the router or BNX may be too heavy.
107	Internal system call timed out. The processing load on the router or BNX may be too heavy.
108	Internal system error. Call the Bay Networks Technical Response Center for assistance.
109	Internal system error. Call the Bay Networks Technical Response Center for assistance.
110	Maximum number of retries were sent without acknowledgment from the remote TCP. Check the configuration of the remote TCP.
111	Internal system error. Call the Bay Networks Technical Response Center for assistance.
112	Internal system error. Call the Bay Networks Technical Response Center for assistance.
113	The IP interface is not available. Check the configuration of IP.
114	TCP protocol error. Check the configuration of the local and remote TCP.
115	Connection was idle for too long.

(continued)

Reason Code	Definition
116	Client was idle for too long.
117	Out-of-sequence SYN was received. Check the configuration of the local and remote TCP.
118	Internal system error. Call the Bay Networks Technical Response Center for assistance.
119	Internal system error. Call the Bay Networks Technical Response Center for assistance.
120	Internal system error. Call the Bay Networks Technical Response Center for assistance.

Entity Code/Event Code **47/15**

Decimal Identifier **16789263**

Severity: Info

Message: TCP Client Aborting: <*local_IP_address*>, <*local_port_number*> - <*remote_IP_address*>, <*remote_port_number*> TCB: 0x<*connection_ID*>.

Meaning: The remote TCP peer aborted a connection. <*local_IP_address*> and <*local_port_number*> specify the local IP address and port for the connection; <*remote_IP_address*> and <*remote_port*> specify the remote IP address and port for the connection; <*connection_ID*> is used for troubleshooting.

Entity Code/Event Code **47/16**

Decimal Identifier **16789264**

Severity: Info

Message: TCP Client Closing: <*local_IP_address*>, <*local_port_number*> - <*remote_IP_address*>, <*remote_port_number*> TCB: 0x<*connection_ID*>.

TCP Closing: <*local_IP_address*>, <*local_port_number*> - <*remote_IP_address*>, <*remote_port_number*> TCB: 0x<*connection_ID*>.

Meaning: The remote TCP closed a connection. <*local_IP_address*> and <*local_port_number*> specify the local IP address and port for the connection; <*remote_IP_address*> and <*remote_port*> specify the remote IP address and port for the connection; <*connection_ID*> is the TCP connection's identification, used for troubleshooting.

TELNET Events

The Telnet Server service, referred to as the TELNET entity, issues the following event messages. The entity code assigned to TELNET events is 40.

Fault Event

Entity Code/Event Code **40/1**

Decimal Identifier **16791553**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Telnet application utility experienced a fatal error and is restarting automatically. Telnet will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if Telnet fails to restart.

Warning Event

Entity Code/Event Code **40/2**

Decimal Identifier **16791554**

Severity: Warning

Message: Missing Telnet configuration record — Disabled.

Meaning: Telnet is not configured for the router or BNX.

Action: Configure Telnet, if desired.

Info Events

Entity Code/Event Code **40/3**

Decimal Identifier **16791555**

Severity: Info

Message: Connection Manager received connection request from <*client_IP_address*>

Meaning: The client identified by <*IP_address*> is attempting to establish a Telnet connection with the Technician Interface.

Entity Code/Event Code **40/4**

Decimal Identifier **16791556**

Severity: Info

Message: Connection Manager initializing.

Meaning: The Telnet server is initializing.

Entity Code/Event Code **40/5**

Decimal Identifier **16791557**

Severity: Info

Message: Connection Manager listening on TCP port <*Telnet_port_no.*>

Meaning: The Telnet server is ready to receive client connections on the specified TCP port.

Entity Code/Event Code **40/6**

Decimal Identifier **16791558**

Severity: Info

Message: Connection Manager down. Awaiting TELNET enable.

Meaning: Telnet is not enabled for the router or BNX.

Meaning: Enable the Telnet server to process incoming client requests.

Entity Code/Event Code **40/7**

Decimal Identifier **16791559**

Severity: Info

Message: Connection manager down. Awaiting TELNET Configuration.

Meaning: Telnet is not configured for the router or BNX.

Meaning: Configure the Telnet server to process incoming client requests.

Entity Code/Event Code **40/8**

Decimal Identifier **16791560**

Severity: Info

Message: Connection manager down. Awaiting TCP Enable.

Meaning: TCP is not enabled for the router or BNX.

Meaning: Enable TCP (and the Telnet server) to process incoming client requests.

Entity Code/Event Code **40/9**

Decimal Identifier **16791561**

Severity: Info

Message: Session Manager initializing.

Meaning: A Telnet connection is being established.

Entity Code/Event Code **40/10**

Decimal Identifier **16791562**

Severity: Info

Message: Session Manager terminating for <*client_IP_address*> <*client_port_no.*> connection.

Meaning: The Telnet session specified by <*client_IP_address*> and <*client_port_no.*> is terminating.

Entity Code/Event Code **40/11**

Decimal Identifier **16791563**

Severity: Info

Message: Session Manager up for <*client_IP_address*> <*client_port_no.*> connection.

Meaning: The Telnet session specified by <*client_IP_address*> *and* <*client_port_no.*> is ready.

Entity Code/Event Code **40/12**

Decimal Identifier **16791564**

Severity: Info

Message: Session Manager down for <*client_IP_address*> <*client_port_no.*> connection.

Meaning: The Telnet session specified by <*client_IP_address*> *and* <*client_port_no.*> is disabled.

Entity Code/Event Code **40/13**

Decimal Identifier **16791565**

Severity: Info

Message: State of TELNET MIB object changed; restarting

Meaning: The Telnet MIB has been reconfigured. All Telnet sessions are being terminated.

Entity Code/Event Code **40/14**

Decimal Identifier **16791566**

Severity: Info

Message: TELNET MIB attribute update signal received.

Meaning: The MIB attribute changed. The change is effective for the following Telnet session.

Trace Events

Entity Code/Event Code **40/15**

Decimal Identifier **16791567**

Severity: Trace

Message: Connection manager refused connection from <*client_IP_address*> <*client_port_no.*>. State: <*state*>.

Meaning: A request for a Telnet session has been rejected due to insufficient system resources.

Entity Code/Event Code **40/16**

Decimal Identifier **16791568**

Severity: Trace

Message: Remote session from <*client_IP_address*> <*client_port_no.*> disconnected.

Meaning: The Telnet session has been terminated.

Entity Code/Event Code **40/17**

Decimal Identifier **16791569**

Severity: Trace

Message: Session Manager flow control failed, input queue overflow.

Meaning: An internal error occurred.

TF Events

The Traffic Filter service, referred to as the TF entity, issues the following event messages. The entity code assigned to TF events is 15.

Info Events

Entity Code/Event Code **15/6**

Decimal Identifier **16781062**

Severity: Info

Message: Traffic Filter Object <*object_ID*> Instance <*instance_ID*> enabled

Meaning: TF enabled the traffic filter indicated by the SNMP object identifier and instance.

Entity Code/Event Code **15/7**

Decimal Identifier **16781063**

Severity: Info

Message: Traffic Filter Object <*object_ID*> Instance <*instance_ID*> disabled

Meaning: TF disabled the traffic filter indicated by the SNMP object identifier and instance.

Entity Code/Event Code **15/8**

Decimal Identifier **16781064**

Severity: Info

Message: Traffic Filter Object <*object_ID*> Instance <*instance_ID*> modified

Meaning: TF modified the traffic filter indicated by the SNMP object identifier and instance.

Entity Code/Event Code **15/9**

Decimal Identifier **16781065**

Severity: Info

Message: Traffic Filter Object <*object_ID*> Instance <*instance_ID*> deleted

Meaning: TF deleted the traffic filter indicated by the SNMP object identifier and instance.

TFTP Events

The Trivial File Transfer Protocol service, referred to as the TFTP entity, issues the following event messages. The entity code assigned to TFTP events is 7.

Fault Event

Entity Code/Event Code **7/1**

Decimal Identifier **16779009**

Severity: Fault

Message: System error, service attempting restart.

Meaning: TFTP experienced a fatal error and restarts automatically. TFTP will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if TFTP fails to restart.

Warning Event

Entity Code/Event Code **7/6**

Decimal Identifier **16779014**

Severity: Warning (BNX only)

Message: Request Server received <read | write> request of <*filename*> from <*IP_address*>.

Meaning: TFTP received the indicated read or write request of <*filename*> from the client identified by <*IP_address*>.

Entity Code/Event Code **7/7**

Decimal Identifier **16779015**

Severity: Warning (BNX only)

Message: Transfer of <*filename*> failed with error = <*error_code*>, <*text*>.

Meaning: The TFTP transfer of <filename> failed with one of the following error codes:

Error Code (hex)	Error Condition
0	Undefined error. See *<text>.*
1	File not found.
2	Access violation. File is not readable.
3	PCMCIA SRAM is full.
6	File exists.
17	Transfer timed out.

Entity Code/Event Code **7/8**

Decimal Identifier **16779016**

Severity: Warning

Message: Transfer of <*filename*> completed successfully.

Meaning: TFTP successfully transferred the file indicated.

Entity Code/Event Code **7/26**

Decimal Identifier **16779034**

Severity: Warning

Message: <*no._events*> lost on slot <*slot_no.*> because of log wrap during log aggregation.

Meaning: The system used the memory allocated for event messages and overwrites the indicated number of older events for this slot with new events. This condition probably indicates that the system is generating events at a rate that signals an error condition.

Action: You can minimize the number of lost events by clearing the log after you save it.

Info Event

Entity Code/Event Code **7/2**

Decimal Identifier **16779010**

Severity: Info

Message: Protocol initializing.

Meaning: TFTP is initializing.

Trace Events

Entity Code/Event Code **7/3**

Decimal Identifier **16779011**

Severity: Trace

Message: Request Server received <*read/write*> request of an illegal filename.

Meaning: TFTP received a request that specifies a faulty or nonexistent filename.

Entity Code/Event Code **7/4**

Decimal Identifier **16779012**

Severity: Trace

Message: Request Server received <*read/write*> request specifying an unsupported mode.

Meaning: TFTP received a request that specifies a nonsupported transfer mode (that is, other than octet or ASCII).

Entity Code/Event Code **7/5**

Decimal Identifier **16779013**

Severity: Trace

Message: Request Server received malformed request packet from <*IP_address*>.

Meaning: TFTP received a faulty request packet (that is, one that does not conform to the RFC 783 specifications) from the host identified by <*IP_address*>.

Entity Code/Event Code **7/6**

Decimal Identifier **16779014**

Severity: Trace (Routers only)

Message: Request Server received <*read/write*> request of <*filename*> from <*IP_address*>.

Meaning: TFTP received the indicated <read or write> request of <*filename*> from the client identified by <*IP_address*>.

Entity Code/Event Code **7/7**

Decimal Identifier **16779015**

Severity: Trace (Routers only)

Message: Transfer of <*filename*> failed with error = <*error_code*>, <*text*>.

Meaning: The TFTP transfer of <*filename*> failed with one of the following error codes:

Error Code (hex)	Text
0	Undefined error. See *<text>*.
1	File not found.
2	Access violation. File is not readable.
3	Disk or flash is full.
5	File exists.
17	Transfer timed out.

Entity Code/Event Code **7/8**

Decimal Identifier **16779016**

Severity: Trace (Routers only)

Message: Transfer of <*filename*> completed successfully.

Meaning: TFTP successfully transferred the file indicated.

Technician Interface Events

The Technician Interface service, referred to as the TI entity, issues the following event messages. The entity code assigned to TI events is 0.

Fault Event

Entity Code/Event Code **0/1**

Decimal Identifier **16777217**

Severity: Fault

Message: System error, service attempting restart.

Meaning: Technician Interface experienced a fatal error and is restarting automatically. Technician Interface will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center in your area if the Technician Interface fails to restart.

Warning Events

Entity Code/Event Code **0/2**

Decimal Identifier **16777218**

Severity: Warning

Message: Invalid login attempt by <*user_ID*>

Meaning: The Technician Interface manager reported that an invalid login ID, <*user_ID*>, was entered at the Technician Interface `login` prompt.

Action: None required, although the warning may indicate an attempt to breach system security.

Entity Code/Event Code **0/39**

Decimal Identifier **16777255**

Severity: Warning

Message: Invalid login attempt by <*user_ID*> on port <*port_no.*>

Meaning: The Technician Interface manager reported that the login ID received on the indicated port and entered at the Technician Interface `login` prompt was invalid.

Action: This warning may indicate an attempt to breach system security.

Entity Code/Event Code **0/40**

Decimal Identifier **16777256**

Severity: Warning

Message: Invalid port <*port_no.*> specified.

Meaning: The port number specified was invalid.

Action: Specify the correct port number.

Info Events

Entity Code/Event Code **0/3**

Decimal Identifier **16777219**

Severity: Info

Message: Log cleared!

Meaning: The router's event log has been cleared.

Entity Code/Event Code **0/41**

Decimal Identifier **16777257**

Severity: Info

Message: TI Port Manager initialized on slot <*slot_no.*>

Meaning: The Technician Interface Port Manager initialized on the indicated slot.

Entity Code/Event Code **0/42**

Decimal Identifier **16777258**

Severity: Info

Message: TI Port Manager stopped on slot <*slot_no.*>

Meaning: The Technician Interface Port Manager stopped on the indicated slot.

Entity Code/Event Code **0/43**

Decimal Identifier **16777259**

Severity: Info

Message: TI session for port <*port_no.*> initialized on slot <*slot_no.*>

Meaning: The Technician Interface session for the indicated port initialized on the slot also indicated in the message.

Entity Code/Event Code **0/44**

Decimal Identifier **16777260**

Severity: Info

Message: TI session for port <*port_no.*> stopped on slot <*slot_no.*>

Meaning: The Technician Interface session for the indicated port stopped on the slot also indicated in the message.

TI_RUI Events

The Technician Interface/Remote User Interface (Site Manager) service, referred to as the TI_RUI entity, issues the following event messages. The entity code assigned to TI_RUI events is 18.

Fault Event

Entity Code/Event Code **18/1**

Decimal Identifier **16781825**

Severity: Fault

Message: System error, service attempting restart.

Meaning: TI/RUI experienced a fatal error and is restarting automatically. TI/RUI will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the TI/RUI fails to restart.

Warning Events

Entity Code/Event Code **18/2**

Decimal Identifier **16781826**

Severity: Warning

Message: Could not find a configuration record, creating one.

Meaning: TI/RUI could not find a configuration record for the remote Technician Interface process.

Action: None required, because TI/RUI creates a base configuration record using defaults.

Entity Code/Event Code **18/3**

Decimal Identifier **16781827**

Severity: Warning

Message: <*no.*> events lost on slot <*slot_no.*> because of log wrap during a log aggregation.

Meaning: Some number of log events <*no.*> associated with <*slot_no.*> were missed while aggregating the distributed log during a Save Log operation. Log aggregation proceeds.

Info Event

Entity Code/Event Code **18/4**

Decimal Identifier **16781828**

Severity: Info

Message: Service initializing.

Meaning: TI/RUI is initializing on the single specified slot.

Entity Code/Event Code **18/5**

Decimal Identifier **16781829**

Severity: Info

Message: Log cleared!

Meaning: You have cleared the router's event log.

Trace Event

Entity Code/Event Code **18/6**

Decimal Identifier **16781830**

Severity: Trace

Message: Received processing request for command: <*command*>.

Meaning: A remote entity executed the command specified by <*command*>.

TNC Events

The Telnet Client service, referred to as the TNC entity, issues the following event messages. The entity code assigned to TNC events is 70.

Fault Events

Entity Code/Event Code **70/1**

Decimal Identifier **16795137**

Severity: Fault

Message: Telnet 'send' error−argument disappeared.

Meaning: The Telnet command lost the sending argument.

Action: Enter the Telnet command using Technician Interface.

Entity Code/Event Code **70/2**

Decimal Identifier **16795138**

Severity: Fault

Message: Cannot allocate buffers.

Meaning: The router or BNX ran out of buffers, probably due to excessive traffic.

Entity Code/Event Code **70/3**

Decimal Identifier **16795139**

Severity: Fault

Message: Fail to send control message!

Meaning: The router or BNX failed to deliver a control message.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the problem persists.

Entity Code/Event Code **70/4**

Decimal Identifier **16795140**

Severity: Fault

Message: No room in netobuf for <*command_string*>.

Meaning: TCP cannot transmit data fast enough. The Telnet outgoing buffer is full.

Action: Examine the TCP configuration.

Entity Code/Event Code **70/5**

Decimal Identifier **16795141**

Severity: Fault

Message: <*command_type*>: no command!!

Meaning: The request does not match the <*command_type*>. The data may be corrupted.

Warning Events

Entity Code/Event Code **70/6**

Decimal Identifier **16795142**

Severity: Warning

Message: Telnet Client disabled, outbound session aborted.

Meaning: Telnet Client disables during an outbound session and the outbound session closes.

Action: Enable Telnet Client.

Entity Code/Event Code **70/7**

Decimal Identifier **16795143**

Severity: Warning

Message: TCP goes down, Telnet outbound session aborted.

Meaning: TCP has gone down (crashes or disables) during an outbound session.

Action: Enable TCP.

Info Events

Entity Code/Event Code **70/9**

Decimal Identifier **16795145**

Severity: Info

Message: Telnet outbound session connected to <*remote_IP_address*>.

Meaning: A Telnet outbound session is connected to a remote host.

Entity Code/Event Code **70/10**

Decimal Identifier **16795146**

Severity: Info

Message: Telnet outbound session to <*remote_IP_address*> closed.

Meaning: The Telnet outbound session closes when you log off from the remote system.

Entity Code/Event Code **70/11**

Decimal Identifier **16795147**

Severity: Info

Message: Telnet Client not configured, the MIB keeper down.

Meaning: You did not configure Telnet Client and the MIB keeper gate goes down.

Entity Code/Event Code **70/12**

Decimal Identifier **16795148**

Severity: Info

Message: Telnet Client disabled, the MIB keeper down.

Meaning: Telnet Client disables and the MIB keeper gate goes down.

Entity Code/Event Code **70/13**

Decimal Identifier **16795149**

Severity: Info

Message: Telnet Client MIB keeper is up.

Meaning: You configured and enabled Telnet Client.

TOKEN_RING Events

The Token Ring Driver service, referred to as the TOKEN_RING entity, issues the following event messages. The entity code assigned to TOKEN_RING events is 26.

Fault Event

Entity Code/Event Code **26/1**

Decimal Identifier **16783873**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Token Ring driver experienced a fatal error and is restarting automatically. The driver will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the Token Ring driver fails to restart.

Warning Events

Entity Code/Event Code **26/2**

Decimal Identifier **16783874**

Severity: Warning

Message: Connector MAU<*connector_no.*> cable connection fault.

Meaning: The Token Ring driver detected a faulty connection at the specified connector.

Action: Check for a loose or disconnected cable; verify hardware integrity.

Entity Code/Event Code **26/3**

Decimal Identifier **16783875**

Severity: Warning

Message: Connector MAU<*connector_no.*> Ring beaconing on insertion (Ring speed incorrect?).

Meaning: The Token Ring adapter received a beacon MAC frame after attempting insertion into the Token Ring.

Action: Ensure that the Token Ring interface is configured to match the speed of the ring.

Entity Code/Event Code **26/4**

Decimal Identifier **16783876**

Severity: Warning

Message: Connector MAU <*connector_no.*> diagnostic failed.

Meaning: The specified Token Ring connector failed power-up diagnostics and has been disabled.

Action: Verify the integrity of the Token Ring link module.

Entity Code/Event Code **26/5**

Decimal Identifier **16783877**

Severity: Warning

Message: Connector MAU<*connector_no.*> out of range.

Meaning: The configured Token Ring connection is invalid and will be ignored.

Action: Repair the configuration record to provide a valid connection value.

Entity Code/Event Code **26/6**

Decimal Identifier **16783878**

Severity: Warning

Message: Connector MAU<*connector_no.*> not verified with diagnostic.

Meaning: Power-up diagnostics were aborted/terminated prior to verifying the specified Token Ring connection.

Action: Rerun diagnostics to verify the integrity of the Token Ring link module.

Entity Code/Event Code **26/7**

Decimal Identifier **16783879**

Severity: Warning

Message: Connector MAU<*connector_no.*> incorrect Bud/Mac prom rev.

Meaning: The Token Ring link module is out of revision and is not supported by the current software revision.

Action: Upgrade the Token Ring link module.

Entity Code/Event Code **26/63**

Decimal Identifier **16783935**

Severity: Warning

Message: Connector MAU<*connector_no.*>, gate id 0x<*no.*>, could not get a buffer.

Meaning: This interface did not come up, because a buffer was not available to send a message.

Entity Code/Event Code **26/64**

Decimal Identifier **16783936**

Severity: Warning

Message: Connector MAU<*connector_no.*>, gate id 0x<*no.*>, RPC timed out.

Meaning: This interface did not come up, because an RPC timeout occurred while sending a message to the module driver.

Entity Code/Event Code **26/65**

Decimal Identifier **16783937**

Severity: Warning

Message: Connector MAU<*connector_no.*> aborting init. No Net Module present in module location <*no.*>.

Meaning: Either the network module in this location is missing or the configuration is incorrect.

Action: Insert the missing network module or correct the configuration.

Entity Code/Event Code **26/66**

Decimal Identifier **16783938**

Severity: Warning

Message: Connector MAU<*connector_no.*> aborting init. Wrong Net Module type in module location <*no.*>.

Meaning: Either the type of network module in this location or the configuration is incorrect.

Action: Insert the correct type of network module or correct the configuration.

Entity Code/Event Code **26/67**

Decimal Identifier **16783939**

Severity: Warning

Message: Connector MAU<*connector_no.*> aborting init. Net Module <*no.*> diag failed (status=0x<*status_code*>).

Meaning: The net module identified by Net Module<*no.*> failed. The status code indicates the type of failure.

Action: Replace the network module as soon as possible. If you do not have a spare network module now, but you have a spare connector on the existing network module:

- Switch the cable associated with the failed circuit to the spare connector.
- Configure a new, identical circuit.
- Delete the failed circuit from the configuration.

Using the spare connector is a temporary measure. When you return the network module to Bay Networks, be sure to report the <*status_code*> and the connector associated with the failure.

Info Events

Entity Code/Event Code **26/8**
Decimal Identifier **16783880**
Severity: Info
Message: Service initializing.
Meaning: Token Ring service is initializing.

Entity Code/Event Code **26/9**
Decimal Identifier **16783881**
Severity: Info
Message: Connector MAU<*connector_no.*> loaded FASTMAC <*revision_no.*>
Meaning: The accelerator microcode has been downloaded to the Token Ring link module.

Entity Code/Event Code **26/10**
Decimal Identifier **16783882**
Severity: Info
Message: Connector MAU<*connector_no.*> disabled.
Meaning: Token Ring service has been disabled on the specified connector.

Entity Code/Event Code **26/11**
Decimal Identifier **16783883**
Severity: Info
Message: Connector MAU<*connector_no.*> enabled.
Meaning: Token Ring service has been enabled on the specified connector.

Entity Code/Event Code **26/12**
Decimal Identifier **16783884**
Severity: Info
Message: Connector MAU<*connector_no.*> configuration deleted.
Meaning: The specified Token Ring record has been deleted from the configuration.

Entity Code/Event Code **26/13**

Decimal Identifier **16783885**

Severity: Info

Message: Connector MAU<*connector_no.*> providing LLC1 service.

Meaning: The specified Token Ring connection is enabled and providing LLC1 service.

Entity Code/Event Code **26/14**

Decimal Identifier **16783886**

Severity: Info

Message: Connector MAU<*connector_no.*> LLC1 service withdrawn.

Meaning: The specified Token Ring connection is no longer providing LLC1 service.

Entity Code/Event Code **26/15**

Decimal Identifier **16783887**

Severity: Info

Message: Connector MAU<*connector_no.*> Ring Beaconing.

Meaning: The Token Ring adapter observed Beacon frames on the ring, indicating the presence of a hard error that renders the ring inoperable.

Entity Code/Event Code **26/16**

Decimal Identifier **16783888**

Severity: Info

Message: Connector MAU<*connector_no.*> This node Beaconing the ring.

Meaning: The Token Ring adapter observed a hard ring error on the Token Ring accessed by the specified circuit and initiated the transmittal of beacon frames.

Entity Code/Event Code **26/17**

Decimal Identifier **16783889**

Severity: Info

Message: Connector MAU<*connector_no.*> Ring Recovered.

Meaning: The Token Ring adapter observed Claim Token MAC frames on the ring accessed by the specified circuit. Claim Token MAC frames indicate that the ring is recovering from an error condition.

Entity Code/Event Code **26/48**

Decimal Identifier **16783920**

Severity: Info

Message: Connector MAU<*connector_no.*> loaded Texas Instruments BUD/MAC <*revision_no.*> on Silicon <*revision_no.*>.

Meaning: The Token Ring link module downloaded the Texas Instruments BUD/MAC microcode.

Entity Code/Event Code **26/51**

Decimal Identifier **16783923**

Severity: Info

Message: Connector MAU <*connector_no.*> loaded <*token_ring_adaptor_microcode*>.

Meaning: The Token Ring link module downloaded the specified version of the Token Ring adapter microcode.

Entity Code/Event Code **26/59**

Decimal Identifier **16783931**

Severity: Info

Message: Connector MAU <*connector_no.*> transitioned to single station (only station on the ring).

Meaning: The Token Ring interface detected that it was the only station on the ring for 30 seconds. The system is reconfiguring the Token Ring interface, reinitializing the interface and flushing all routing tables associated with the interface.

Entity Code/Event Code **26/60**

Decimal Identifier **16783932**

Severity: Info

Message: Connector MAU <*connector_no.*> failed lobe wrap test during beacon auto-removal process.

Meaning: The Token Ring interface has withdrawn itself from the ring while the ring was beaconing, because it detected a fault on its own cable lobe.

Action: If this event occurs more than five times, replace the Token Ring hardware.

Entity Code/Event Code **26/61**

Decimal Identifier **16783933**

Severity: Info

Message: Connector MAU <*connector_no.*> received remove ring station MAC frame request.

Meaning: A Configuration Report Server sent a Remove Ring Station MAC frame to this Token Ring interface, instructing the interface to remove itself from the Token Ring.

Action: Use a Token Ring LAN Manager station to determine why the Configuration Report Server sent the Remove Ring Station MAC frame to this interface.

TTY Events

The Teletype service, referred to as the TTY entity, issues the following event messages. The entity code assigned to TTY events is 17.

Fault Event

Entity Code/Event Code **17/1**

Decimal Identifier **16781569**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The TTY driver experienced a fatal error and is restarting automatically. TTY will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if TTY fails to restart.

Warning Events

Entity Code/Event Code **17/2**

Decimal Identifier **16781570**

Severity: Warning

Message: DUART detected Framing error. Total: <*total*>

Meaning: A transmission error has occurred.

Entity Code/Event Code **17/3**
Decimal Identifier **16781571**
Severity: Warning
Message: DUART detected Overrun error. Total: <*total*>
Meaning: A transmission error has occurred.

Entity Code/Event Code **17/4**
Decimal Identifier **16781572**
Severity: Warning
Message: DUART detected Parity error. Total: <*total*>
Meaning: A transmission error has occurred.

Entity Code/Event Code **17/8**
Decimal Identifier **16781576**
Severity: Warning
Message: DUART detected Framing error on port <*port_no.*>
Meaning: A transmission error has occurred.

Entity Code/Event Code **17/9**
Decimal Identifier **16781577**
Severity: Warning
Message: DUART detected Overrun error on port <*port_no.*>
Meaning: A transmission error has occurred.

Entity Code/Event Code **17/10**
Decimal Identifier **16781578**
Severity: Warning
Message: DUART detected Parity error on port <*port_no.*>
Meaning: A transmission error has occurred.

Info Events

Entity Code/Event Code **17/5**

Decimal Identifier **16781573**

Severity: Info

Message: DUART Modem connection established.

Meaning: A remote Technician Interface connection has been established.

Entity Code/Event Code **17/6**

Decimal Identifier **16781574**

Severity: Info

Message: DUART Modem disconnected — hang-up.

Meaning: A remote Technician Interface connection has been terminated.

Entity Code/Event Code **17/7**

Decimal Identifier **16781575**

Severity: Info

Message: Input FIFO Overflow error — data lost. Total: <*total*>

Meaning: The router or BNX did not respond to the input within the time allotted and the input overflowed in the FIFO buffer, causing a loss of data.

Entity Code/Event Code **17/11**

Decimal Identifier **16781579**

Severity: Info

Message: Input FIFO Overflow error on port <*port_no.*>

Meaning: The router or BNX did not respond to input from the designated port within the time allotted, and the input overflowed in the FIFO buffer.

VINES Events

The Virtual Networking System service, referred to as the VINES entity, issues the following event messages. The entity code assigned to VINES events is 23.

Fault Event

Entity Code/Event Code **23/1**

Decimal Identifier **16783105**

Severity: Fault

Message: System error, service attempting restart.

Meaning: VINES experienced a fatal error and restarts automatically. VINES will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if VINES fails to restart.

Warning Event

Entity Code/Event Code **23/49**

Decimal Identifier **167831**

Severity: Warning

Message: Illegal serial number <*serial_no.*> used as Network ID.

Meaning: The router's network ID is an illegal serial number.

Action: Verify that the address is correct. If the address is correct and the problem persists, delete VINES from the router and reconfigure it using the default parameters. If this does not resolve the problem, call the Bay Networks Technical Response Center.

Info Events

Entity Code/Event Code **23/2**

Decimal Identifier **16783106**

Severity: Info

Message: Protocol initializing.

Meaning: VINES is initializing.

Entity Code/Event Code **23/3**

Decimal Identifier **16783107**

Severity: Info

Message: Protocol terminating.

Meaning: VINES is terminating.

Entity Code/Event Code **23/4**

Decimal Identifier **16783108**

Severity: Info

Message: Interface up on circuit <*circuit_no.*>.

Meaning: The router enables the circuit identified by <*circuit_no.*>, thus providing VINES service to the interface.

Entity Code/Event Code **23/5**

Decimal Identifier **16783109**

Severity: Info

Message: Interface down on circuit <*circuit_no.*>.

Meaning: The router disables the circuit identified by <*circuit_no.*>, thus disabling VINES service to the interface.

Entity Code/Event Code **23/6**

Decimal Identifier **16783110**

Severity: Info

Message: Automode RTP enabled.

Meaning: You enabled both Sequenced and Nonsequenced RTP on the router by accepting the default, Automode, for the RTP Mode parameter.

Entity Code/Event Code **23/7**

Decimal Identifier **16783111**

Severity: Info

Message: Sequenced RTP enabled.

Meaning: You enabled Sequenced RTP on the router by setting the RTP Mode parameter to Sequenced.

Entity Code/Event Code **23/8**

Decimal Identifier **16783112**

Severity: Info

Message: Nonsequenced RTP enabled.

Meaning: You enabled Nonsequenced RTP on the router by setting the RTP Mode parameter to Nonsequenced.

Entity Code/Event Code **23/10**

Decimal Identifier **16783114**

Severity: Info

Message: Inverse ARP is enabled on VINES interface <*circuit_no.*>

Meaning: You disabled Inverse ARP support on this interface by setting the Inverse ARP Enable parameter to disable.

Entity Code/Event Code **23/11**

Decimal Identifier **16783115**

Severity: Info

Message: Split Horizon for StreetTalk disabled on VINES interface <*circuit_no.*>.

Meaning: You set the Split Horizon for STALK parameter to Disable. This interface does not support Split Horizon for routing StreetTalk (STALK) packets.

Entity Code/Event Code **23/14**

Decimal Identifier **16783118**

Severity: Info

Message: VINES TF — Rule <*filter_rule_no.*>, Cct <*circuit_no.*> (Drop packet) — Pkt dst to <*network_ID*>.<*subnetwork_ID*>.

Meaning: The router dropped a VINES packet in accordance with the specified filter rule.

Entity Code/Event Code **23/15**

Decimal Identifier **16783119**

Severity: Info

Message: VINES TF — Rule <*filter_rule_no.*>, cct <*circuit_no.*> (Log only) — Pkt dst to <*network_ID*>.<*subnetwork_ID*>.

Meaning: The router logged a VINES packet in accordance with the specified filter rule.

Trace Events

Entity Code/Event Code **23/16**

Decimal Identifier **16783120**

Severity: Trace

Message: VINES TF — Rule <*filter_rule_no.*>, Cct <*circuit_no.*> (Accept packet) — Pkt dst to <*network _ID*>.<*subnetwork_ID*>.

Meaning: The router accepted a VINES packet in accordance with the specified filter rule.

Entity Code/Event Code **23/19**

Decimal Identifier **16783123**

Severity: Trace

Message: Node <*network_ID*>.<*subnetwork_ID*> from Cct <*circuit_no.*> added to Table of Neighbors.

Meaning: The adjacent VINES node, which has an address of <*network_ID*>.<*subnetwork_ID*>, is now a reachable address.

Entity Code/Event Code **23/20**

Decimal Identifier **16783124**

Severity: Trace

Message: Node <*network_ID*>.<*subnetwork_ID*> removed from Table of Neighbors.

Meaning: The adjacent VINES node, which has an address of <*network_ID*>.<*subnetwork_ID*>, is no longer a reachable address.

Entity Code/Event Code **23/21**

Decimal Identifier **16783125**

Severity: Trace

Message: Network <*network_ID*> from Cct <*circuit_no.*> added to Table of Networks.

Meaning: The router learned of a new network and added it to the table of networks.

Entity Code/Event Code **23/22**

Decimal Identifier **16783126**

Severity: Trace

Message: Network <*network_ID*> removed from Table of Networks.

Meaning: The router removed a network from the table of networks; the network is no longer reachable.

Entity Code/Event Code **23/23**

Decimal Identifier **16783127**

Severity: Trace

Message: ARP Assignment issued with subnet <*network_ID*>.

Meaning: The router assigned a VINES network number to the client PC.

X25 Events

The X.25 service, referred to as the X25 entity, issues the following event messages. The entity code assigned to X25 events is 43.

Fault Event

Entity Code/Event Code **43/1**

Decimal Identifier **16788225**

Severity: Fault

Message: System Error, service attempting restart

Meaning: X.25 experienced a fatal error and is restarting automatically. X.25 will attempt to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if X.25 fails to restart.

Warning Events

Entity Code/Event Code **43/2**

Decimal Identifier **16788226**

Severity: Warning

Message: Trying to free invalid Timer descrIPtor.

Meaning: An X.25 timer that was marked for deletion was not found. The router will continue to run normally.

Entity Code/Event Code **43/3**

Decimal Identifier **16788227**

Severity: Warning

Message: DP_NEWDP received from unknown circuit <*circuit_no.*>.

Meaning: IP or OSI is trying to establish a connection for circuit <*circuit_no.*>, which is not found in the X.25 service record instance.

Action: Check the configuration of circuit <*circuit_no.*>.

Entity Code/Event Code **43/4**

Decimal Identifier **16788228**

Severity: Warning

Message: Line error has occurred, X.25 packet layer.

Meaning: A line error has occurred at the X.25 packet-layer level. The router will terminate and then reinitialize the line.

Entity Code/Event Code **43/5**

Decimal Identifier **16788229**

Severity: Warning

Message: Error in deassembly of X.25 packets.

Meaning: The router has detected an error during X.25 packet decapsulation.

Action: Check the X.25 configuration to see if the window size, packet size, and flow control values are set correctly.

Entity Code/Event Code **43/6**

Decimal Identifier **16788230**

Severity: Warning

Message: Error in allocation of GAME buffer.

Meaning: The router denied a request for a GAME buffer; thus a buffer loss occurred.

Entity Code/Event Code **43/7**

Decimal Identifier **16788231**

Severity: Warning

Message: Error in X.25 buffer pool allocation.

Meaning: The router's buffer pool allocated for X.25 packets has been depleted. As a result, an error occurred.

Entity Code/Event Code **43/8**

Decimal Identifier **16788232**

Severity: Warning

Message: Error in Data Request to X.25 layer.

Meaning: A packet-level error has occurred. As a result, a data packet is lost.

Entity Code/Event Code **43/9**

Decimal Identifier **16788233**

Severity: Warning

Message: NWIF Register to X25 failed, line <*line_no.*>, cct <*circuit_no.*>, pid <*protocol_identifier*>.

Meaning: An error occurred when IP or OSI attempted to register with the packet layer.

Action: Check the X.25 DDN/PDN service records and associated protocols.

Entity Code/Event Code **43/10**

Decimal Identifier **16788234**

Severity: Warning

Message: NWIF UnRegister to X25 failed, cct <*circuit_no.*>, pid <*protocol_identifier*>

Meaning: An error occurred when IP or OSI attempted to unregister with the packet layer.

Action: Check the X.25 configuration.

Entity Code/Event Code **43/11**

Decimal Identifier **16788235**

Severity: Warning

Message: X.25 OutBound Data Flow Controlled on Point to Point circuit.

Meaning: An outbound data packet was lost on a point-to-point circuit. The router closed the X.25 packet-layer window and cannot send data on this circuit.

Action: Check the X.25 configuration for the window size and packet size settings.

Entity Code/Event Code **43/12**

Decimal Identifier **16788236**

Severity: Warning

Message: Registration of X.25 Packet Layer has failed.

Meaning: The router attempted to register the current configuration with the packet layer, but failed. The X.25 packet-layer entity will not operate with the current X.25 configuration.

Action: Check the X.25 packet-layer configuration.

Entity Code/Event Code **43/13**

Decimal Identifier **16788237**

Severity: Warning

Message: X25 Line Configuration Error.

Meaning: The router has detected a configuration error at the line level. The X.25 services entity will not operate on this interface with the current X.25 configuration.

Action: Check the X.25 configuration.

Entity Code/Event Code **43/14**

Decimal Identifier **16788238**

Severity: Warning

Message: Initialization of SVC's failed.

Meaning: The router’s attempt to initialize a switched virtual circuit failed.

Action: Check the X.25 configuration.

Entity Code/Event Code **43/29**

Decimal Identifier **16788253**

Severity: Warning

Message: DDNX25/BFE has entered emergency mode for line <*line_no.*>

Meaning: The BFE attached to line <*line_no.*> has entered emergency mode. This may cause subsequent traffic to fail, because the router does not explicitly support emergency mode.

Entity Code/Event Code **43/30**

Decimal Identifier **16788254**

Severity: Warning

Message: DDNX25/BFE has entered emergency mode for line <*line_no.*>

Meaning: The BFE attached to line <*line_no.*> has entered emergency mode.

Entity Code/Event Code **43/31**

Decimal Identifier **16788255**

Severity: Warning

Message: DDNX25/BFE has exited emergency mode for line <*line_no.*>

Meaning: The BFE attached to line <*line_no.*> has exited emergency mode.

Info Events

Entity Code/Event Code **43/15**

Decimal Identifier **16788239**

Severity: Info

Message: X25 Started — Disabled.

Meaning: The X.25 software started up, then was disabled.

Entity Code/Event Code **43/16**

Decimal Identifier **16788240**

Severity: Info

Message: X25 Running.

Meaning: The X.25 software is running and should be able to route traffic on the network.

Entity Code/Event Code **43/17**

Decimal Identifier **16788241**

Severity: Info

Message: X25 Enabled.

Meaning: The X.25 software is currently enabled on the router.

Entity Code/Event Code **43/18**

Decimal Identifier **16788242**

Severity: Info

Message: X.25 VC added to circuit, Load Balancing allowed.

Meaning: A virtual circuit was enabled on one of the router's X.25 interfaces. If more than a single virtual circuit is configured to the same destination X.121 address, then the router will allow load balancing of X.25 traffic.

Entity Code/Event Code **43/19**

Decimal Identifier **16788243**

Severity: Info

Message: Inbound Call rejected, no record/max connection limit.

Meaning: The router received an inbound call request packet that exceeded the maximum number of allowable connections configured between this X.121 address and the remote X.121 address specified in the call request packet. As a result, the call request was dropped.

Entity Code/Event Code **43/20**

Decimal Identifier **16788244**

Severity: Info

Message: Network Interface Registration to X25 completed, line-<*line_no.*>, cct- <*circuit_no.*>, pid- <*protocol identifier*>.

Meaning: The X.25 network has registered the router's X.25 network interface specified by line-<*line_no.*>, cct- <*circuit_no.*> for pid- <*protocol_ID*>.

Entity Code/Event Code **43/22**

Decimal Identifier **16788246**

Severity: Info

Message: Packet configuration record deleted for connector <*connector_no.*>.

Meaning: The X.25 packet-level configuration record for connector <*connector_no.*> has been deleted.

Entity Code/Event Code **43/23**

Decimal Identifier **16788247**

Severity: Info

Message: Invalid Service record configured for line <*line_no.*>.

Meaning: An invalid or incorrect network services record has been configured on line <*line_no.*>.

Entity Code/Event Code **43/24**

Decimal Identifier **16788248**

Severity: Info

Message: Initializing X.25 line on slot <*slot_no.*>, connector <*connector_no.*>.

Meaning: The router is initializing the X.25 interface that is configured on slot <*slot_no.*>, connector <*connector_no.*>.

Entity Code/Event Code **43/25**

Decimal Identifier **16788249**

Severity: Info

Message: X.25 line <*line_no.*> received DISC from link level.

Meaning: The X.25 interface configured on line <*line_no.*> was issued a disconnect from the link level, using the **disc** command.

Entity Code/Event Code **43/26**

Decimal Identifier **16788250**

Severity: Info

Message: X.25 line <*line_no.*> received RESET from link level.

Meaning: The X.25 interface configured on line <*line_no.*> was issued a reset, using the **reset** command.

Entity Code/Event Code **43/27**

Decimal Identifier **16788251**

Severity: Info

Message: X.25 line <*line_no.*> is disabled.

Meaning: The X.25 line is disabled.

Entity Code/Event Code **43/28**

Decimal Identifier **16788252**

Severity: Info

Message: DDNX25/BFE processing enabled for line <*line_no.*>

Meaning: The router enabled BFE services on line <*line_no.*>.

XMODEM Events

The Xmodem/Ymodem service, referred to as the XMODEM entity, issues the following event messages. The entity code assigned to XMODEM events is 42.

Fault Event

Entity Code/Event Code **42/1**

Decimal Identifier **16787969**

Severity: Fault

Message: System error, service attempting restart.

Meaning: The Xmodem service experienced a fatal error and is attempting to restart.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if the Xmodem service fails to restart.

Info Event

Entity Code/Event Code **42/2**

Decimal Identifier **16787970**

Severity: Info

Message: <*current_time*> XMODEM <*version_no.*> command line: <*current_command_line*>

Meaning: Wellfleet used the specified version of the Xmodem service. This message also includes the current system time and the current command line.

XNS Events

The Xerox Networking Systems service, referred to as the XNS entity, issues the following event messages. The entity code assigned to XNS events is 31.

Fault Event

Entity Code/Event Code **31/1**

Decimal Identifier **16785153**

Severity: Fault

Message: System error, service attempting restart.

Meaning: XNS experienced a fatal error and is restarting automatically. XNS attempts to restart up to five times.

Action: Verify that the configuration is correct. Call the Bay Networks Technical Response Center if XNS fails to restart.

Warning Event

Entity Code/Event Code **31/49**

Decimal Identifier **16785201**

Severity: Warning

Message: XNS Packet of type <*packet_type*> on the interface <*XNS_interface_address*> with dest net <*XNS_network_address*> and dest socket <*socket_no.*>, packet discarded.

Meaning: The indicated interface received a packet of type <*packet_type*> with a destination network other than the network number of the XNS interface. XNS discarded this packet. This occurs when an interface on this segment contains an incorrect network number in its configuration.

Action: Check the interfaces configured on the segment and reconfigure them with the correct network number.

Info Events

Entity Code/Event Code **31/2**
Decimal Identifier **16785154**
Severity: Info
Message: Protocol initializing
Meaning: XNS initializing.

Entity Code/Event Code **31/3**
Decimal Identifier **16785155**
Severity: Info
Message: Protocol terminating
Meaning: XNS terminating.

Entity Code/Event Code **31/4**
Decimal Identifier **16785156**
Severity: Info
Message: XNS on Interface <*address*> up on circuit <*circuit_no.*>
Meaning: The interface indicated has come up on the circuit indicated.

Entity Code/Event Code **31/5**
Decimal Identifier **16785157**
Severity: Info
Message: XNS on Interface <*address*> down on circuit <*circuit_no.*>
Meaning: The interface indicated has gone down on the circuit indicated.

Entity Code/Event Code **31/37**
Decimal Identifier **16785189**
Severity: Info
Message: ADD Nwif Network <*network_address*> Host <*host_address*>
Meaning: XNS has added the full XNS address for the router to the interface table.

Entity Code/Event Code **31/38**

Decimal Identifier **16785190**

Severity: Info

Message: DEL Nwif Network <*network_address*> Host <*host_address*>

Meaning: XNS has deleted the full XNS address for the router from the interface table.

Entity Code/Event Code **31/39**

Decimal Identifier **16785191**

Severity: Info

Message: Nwif from MIB Active Network <*network_address*> Host <*host_address*>

Meaning: The record for an interface is active and the XNS routing software has read the information.

Entity Code/Event Code **31/40**

Decimal Identifier **16785192**

Severity: Info

Message: Nwif from MIB Non-active Network <*network_address*> Host <*host_address*>

Meaning: The software has detected an inactive MIB interface record.

Entity Code/Event Code **31/41**

Decimal Identifier **16785193**

Severity: Info

Message: Network <*network_address*> mapped to cct <*circuit_no.*>

Meaning: The interface for the network indicated is monitoring the status of the associated circuit.

Entity Code/Event Code **31/46**

Decimal Identifier **16785198**

Severity: Info

Message: Traffic Filter - drop: Rule <*filter_rule_no.*>, circuit <*circuit_no.*> Network <*network_address*> Host <*host_address*>

Meaning: A packet matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was dropped as specified by the filter.

Entity Code/Event Code **31/47**

Decimal Identifier **16785199**

Severity: Info

Message: Traffic Filter: Rule <*filter_rule_no.*>, circuit <*circuit_no.*>

Meaning: A packet matching filter rule <*filter_rule_no.*> was received on <*circuit_no.*>. The packet was dropped as specified by the filter.

Entity Code/Event Code **31/48**

Decimal Identifier **16785200**

Severity: Info

Message: RTM out of BUFFERS

Meaning: The Routing Table Manager process is out of buffers. This condition hinders propagation of information to other slots.

Trace Events

Entity Code/Event Code **31/7**

Decimal Identifier **16785159**

Severity: Trace

Message: Network <*network_address*> added to Table of Networks

Meaning: The network indicated was added to the table of networks.

Entity Code/Event Code **31/8**

Decimal Identifier **16785160**

Severity: Trace

Message: Network <*network_address*> removed from Table of Networks

Meaning: The network indicated was deleted from the table of networks.

Entity Code/Event Code **31/9**

Decimal Identifier **16785161**

Severity: Trace

Message: Host <*host_address*> added to Table of Hosts

Meaning: The host indicated was added to the table of hosts.

Entity Code/Event Code **31/10**

Decimal Identifier **16785162**

Severity: Trace

Message: Host <*host_address*> deleted from Table of Hosts

Meaning: The host indicated was deleted from the table of hosts.

Entity Code/Event Code **31/11**

Decimal Identifier **16785163**

Severity: Trace

Message: IP_recv received operation <*1/2*> from Host <*host_address*>

Meaning: An XNS RIP packet was received from the network and host indicated. Operation 1 indicates that the packet is a RIP request. Operation 2 indicates that the packet is a RIP response.

Entity Code/Event Code **31/12**

Decimal Identifier **16785164**

Severity: Trace

Message: IP_update sent network <*target_network_address*> hops <*no._hops*> from Network <*source_network_address*>

Meaning: An XNS RIP update packet was sent to the target network indicated.